

FIG. 1

00000000000000000000000000000000

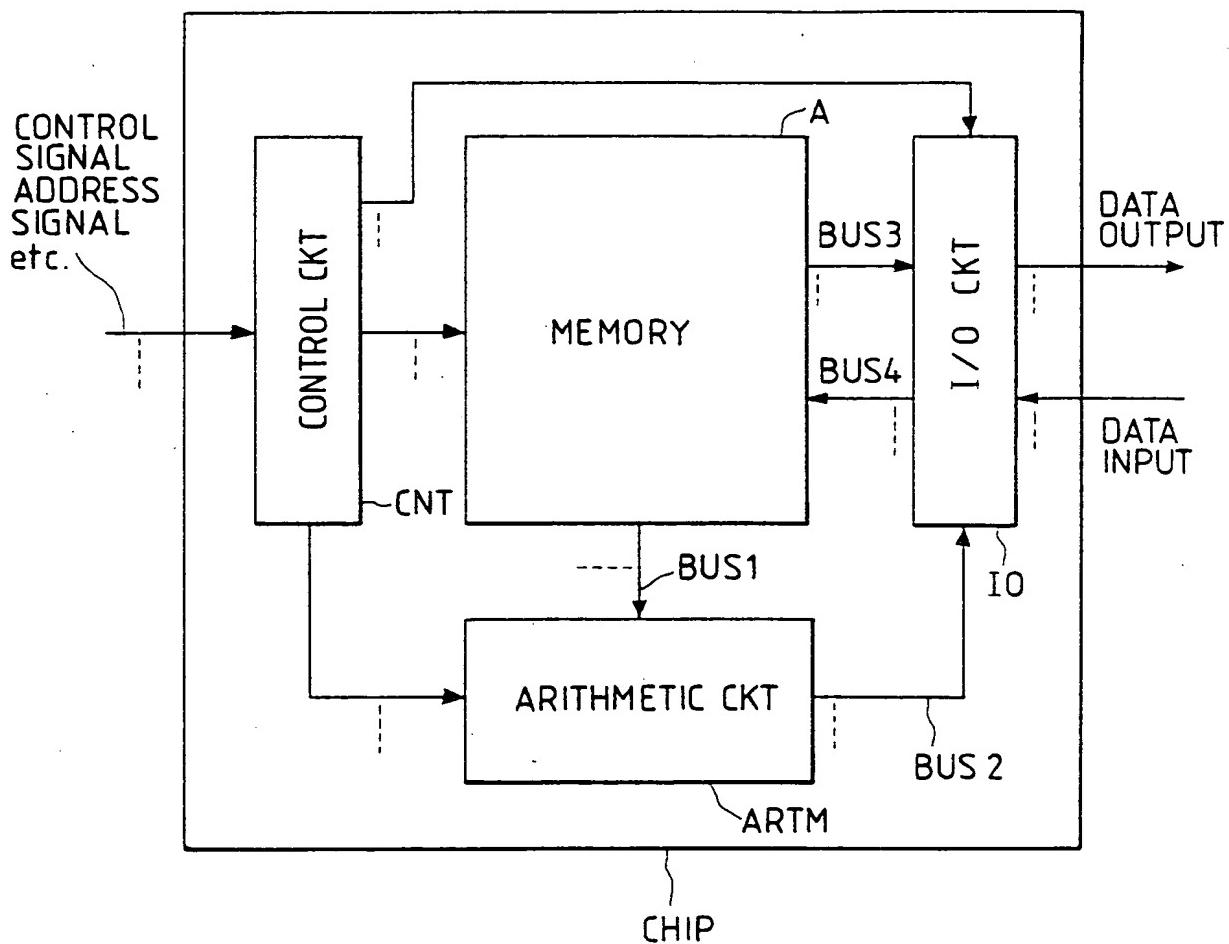


FIG. 2(a)

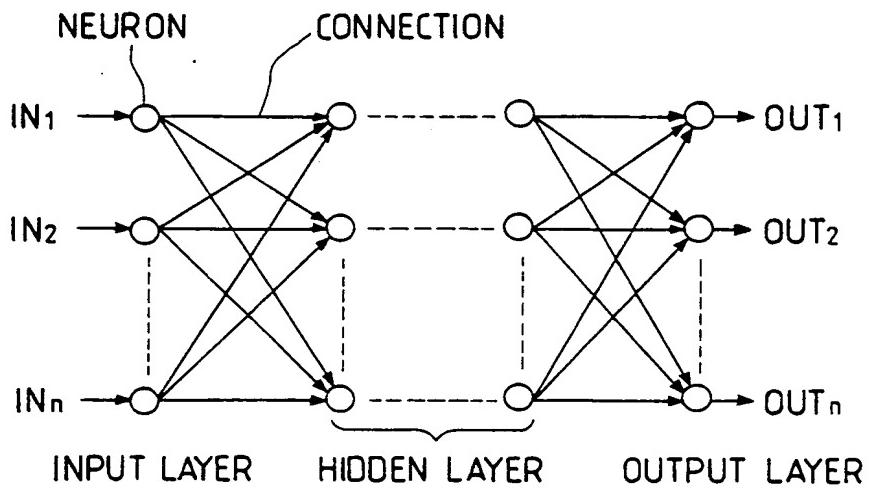


FIG. 2(b)

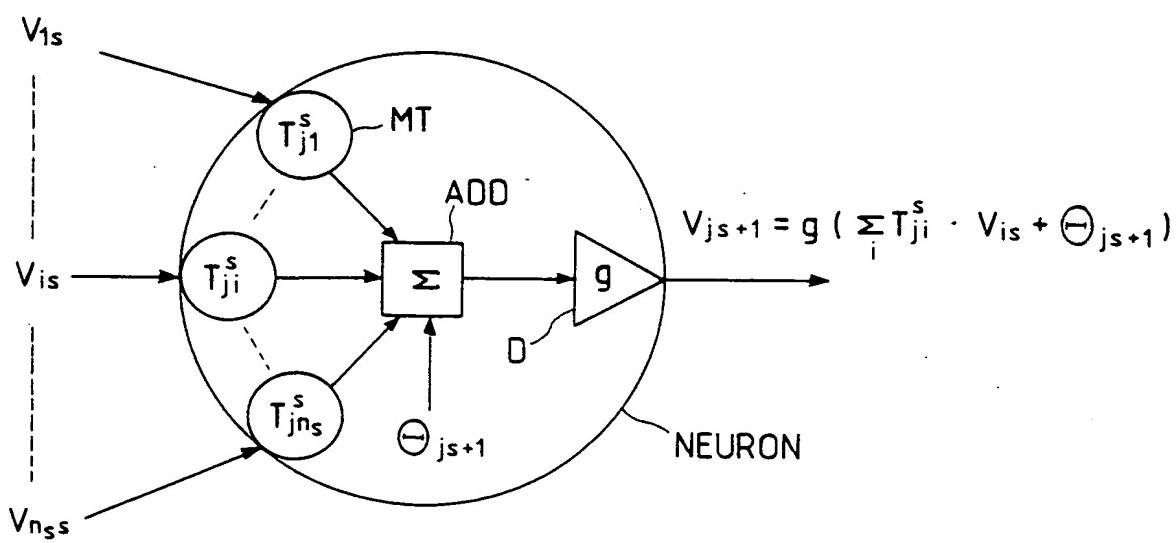


FIG. 2(c)

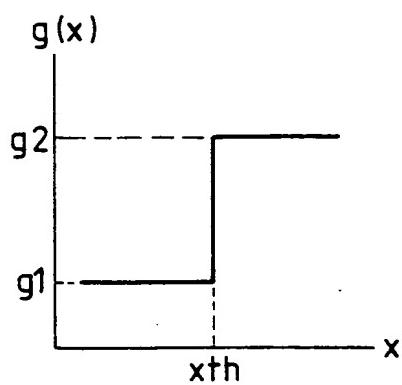


FIG. 2(d)

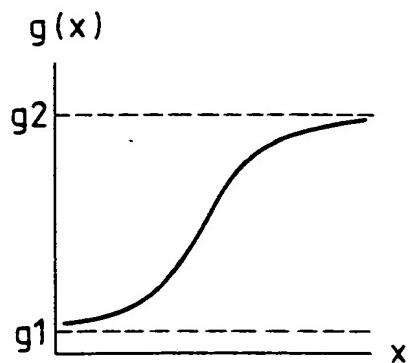


FIG. 3(a)

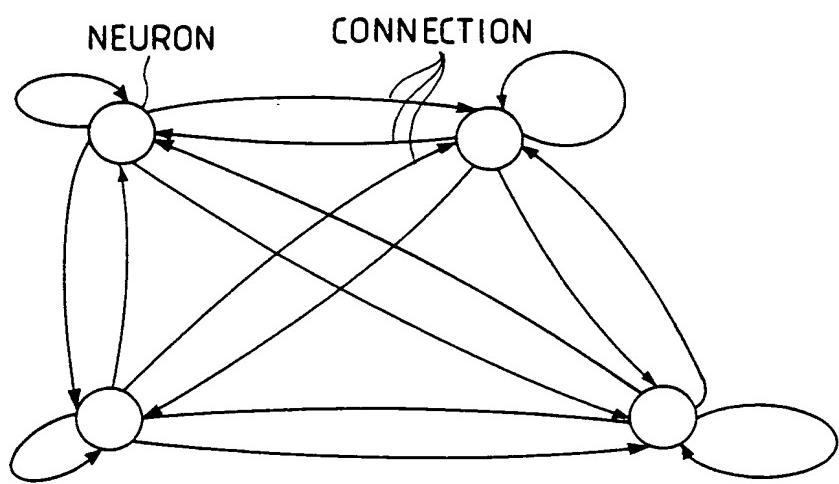


FIG. 3(b)

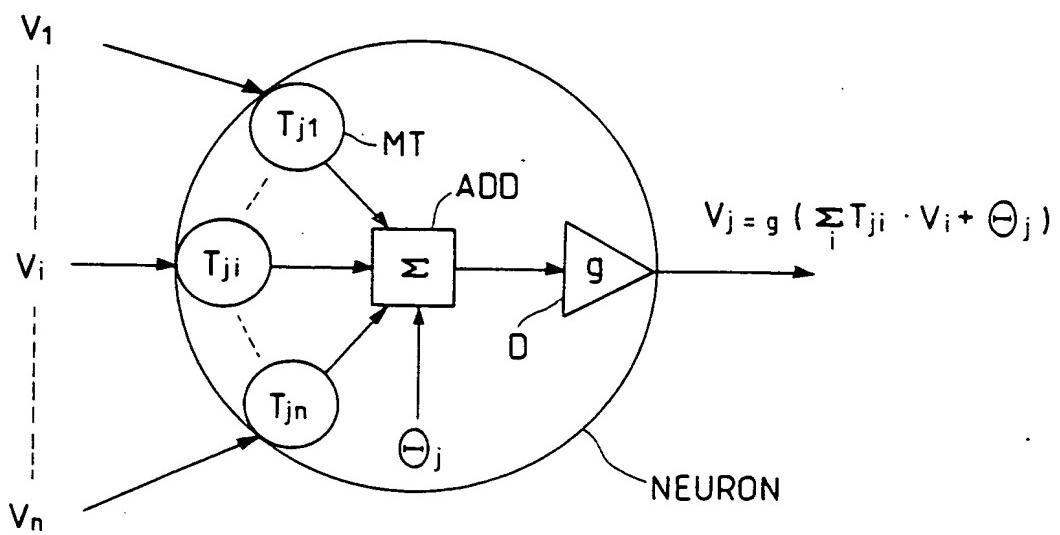


FIG. 4
(PRIOR ART)

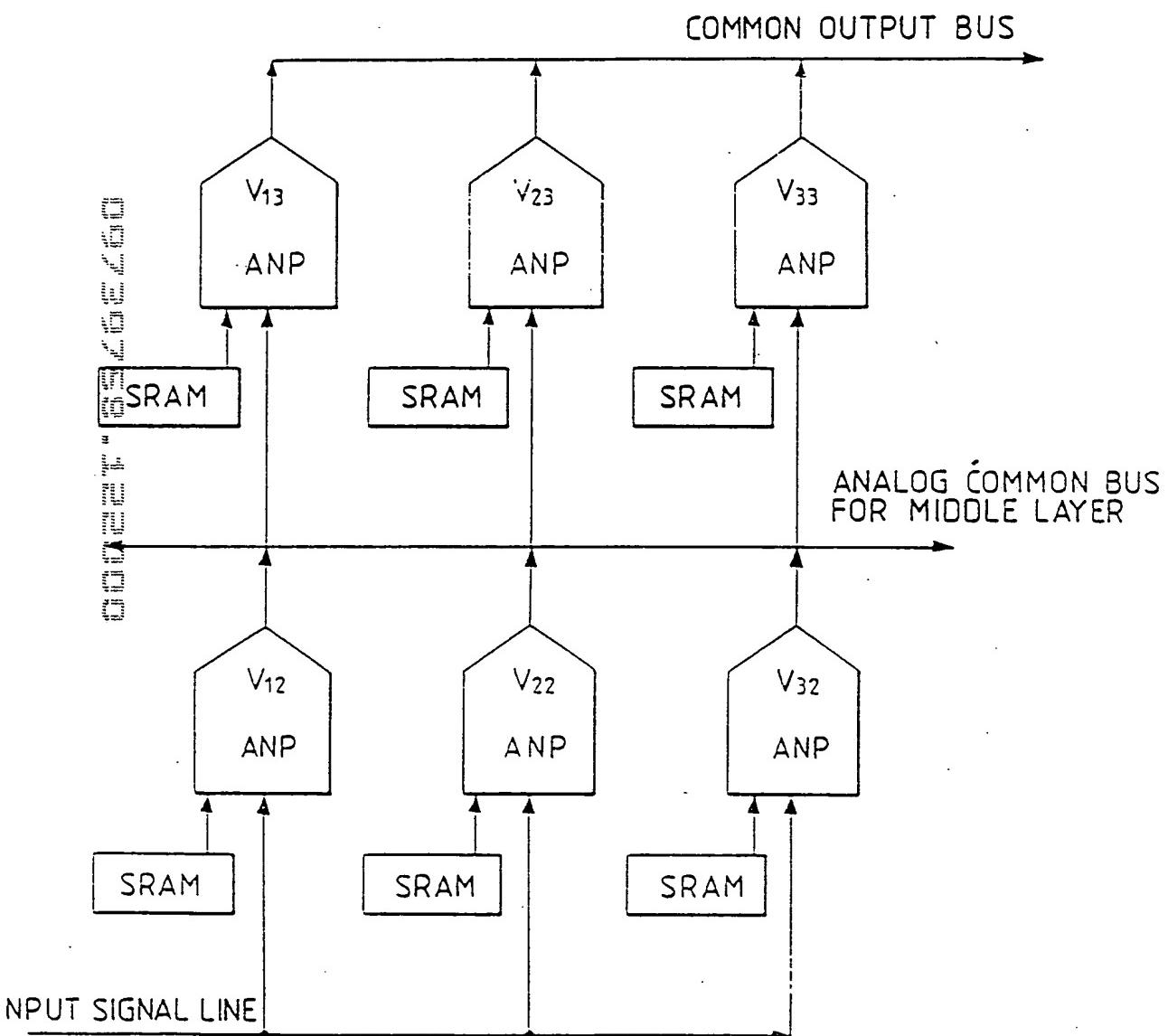


FIG. 5(a)

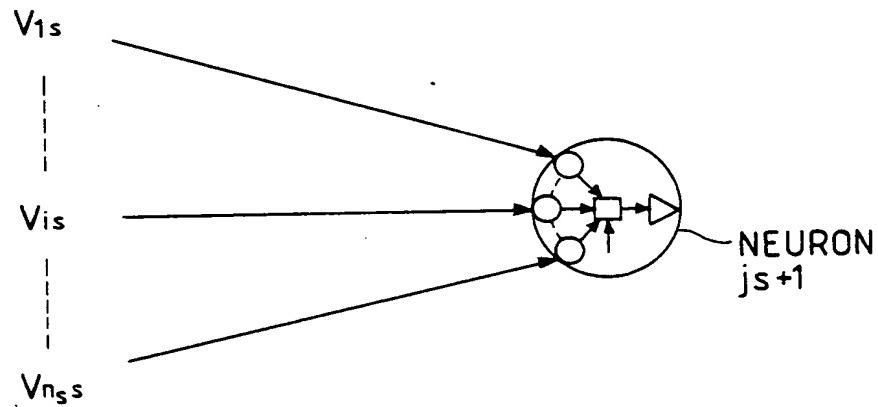


FIG. 5(b)

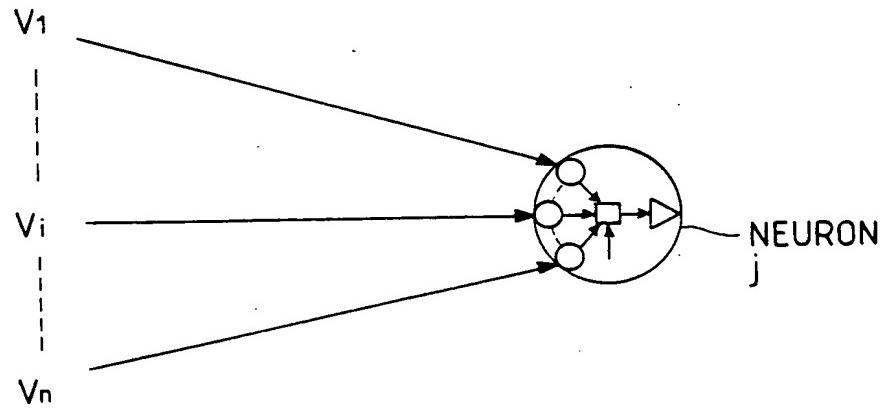


FIG. 6(a)

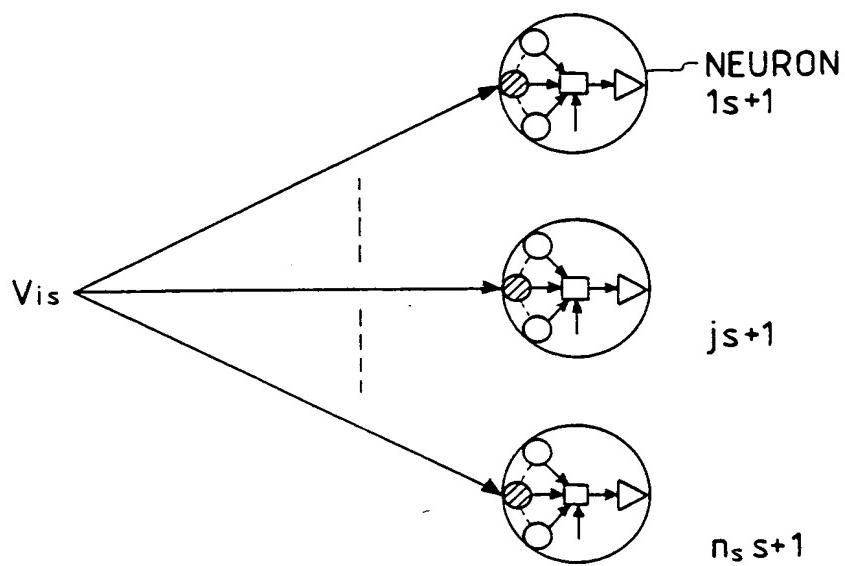


FIG. 6(b)

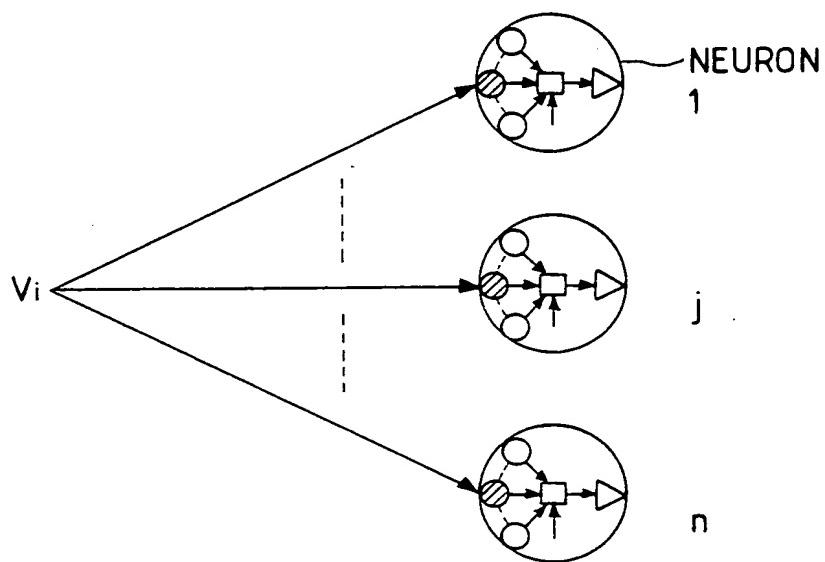


FIG. 7(a)

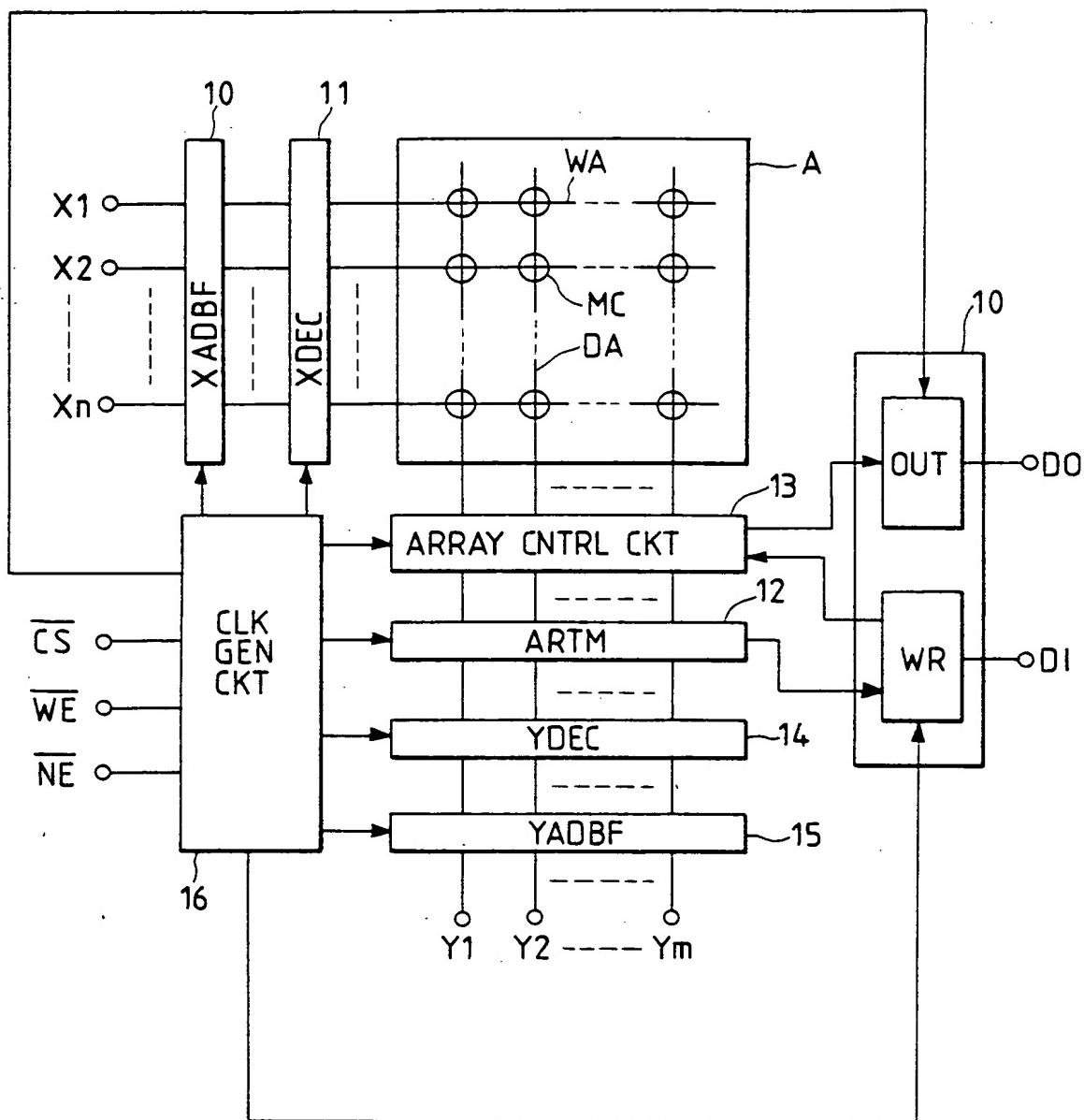


FIG. 7(b)

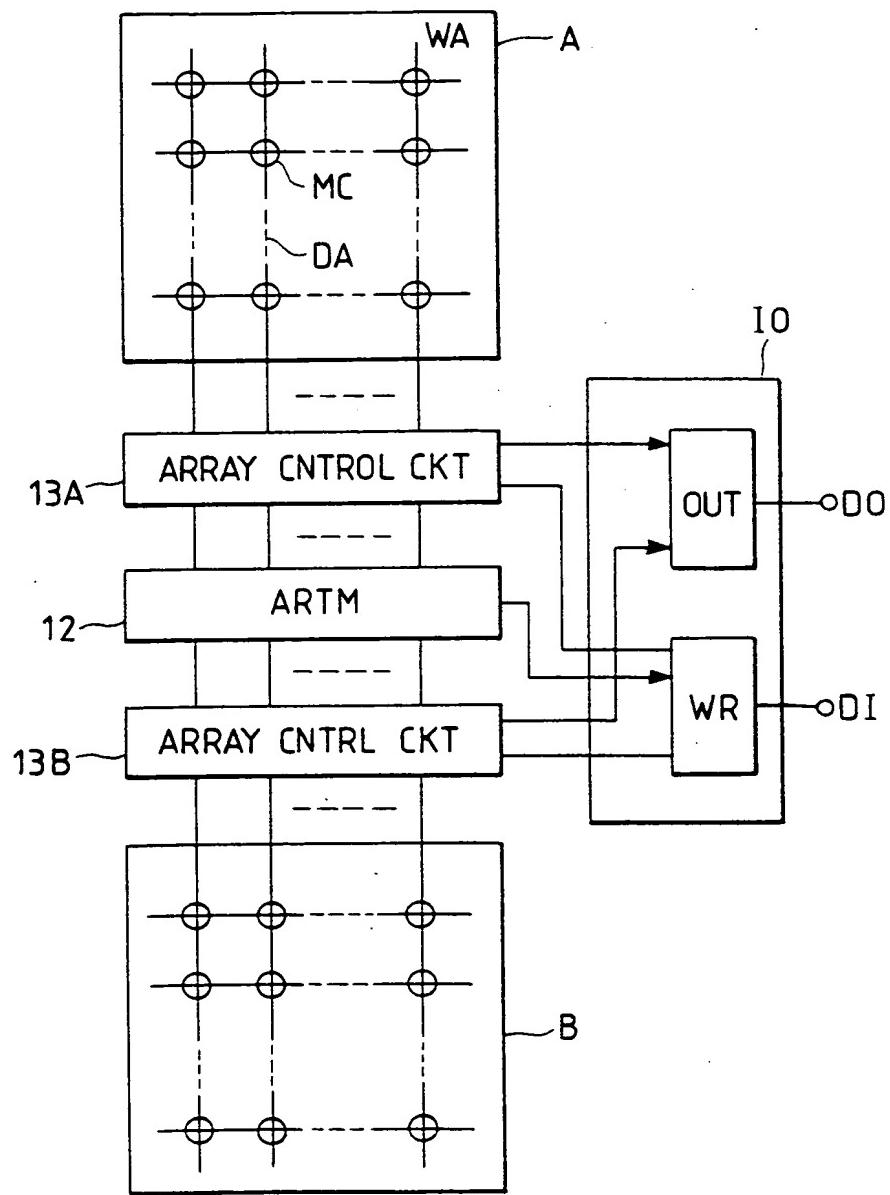


FIG. 8(a)

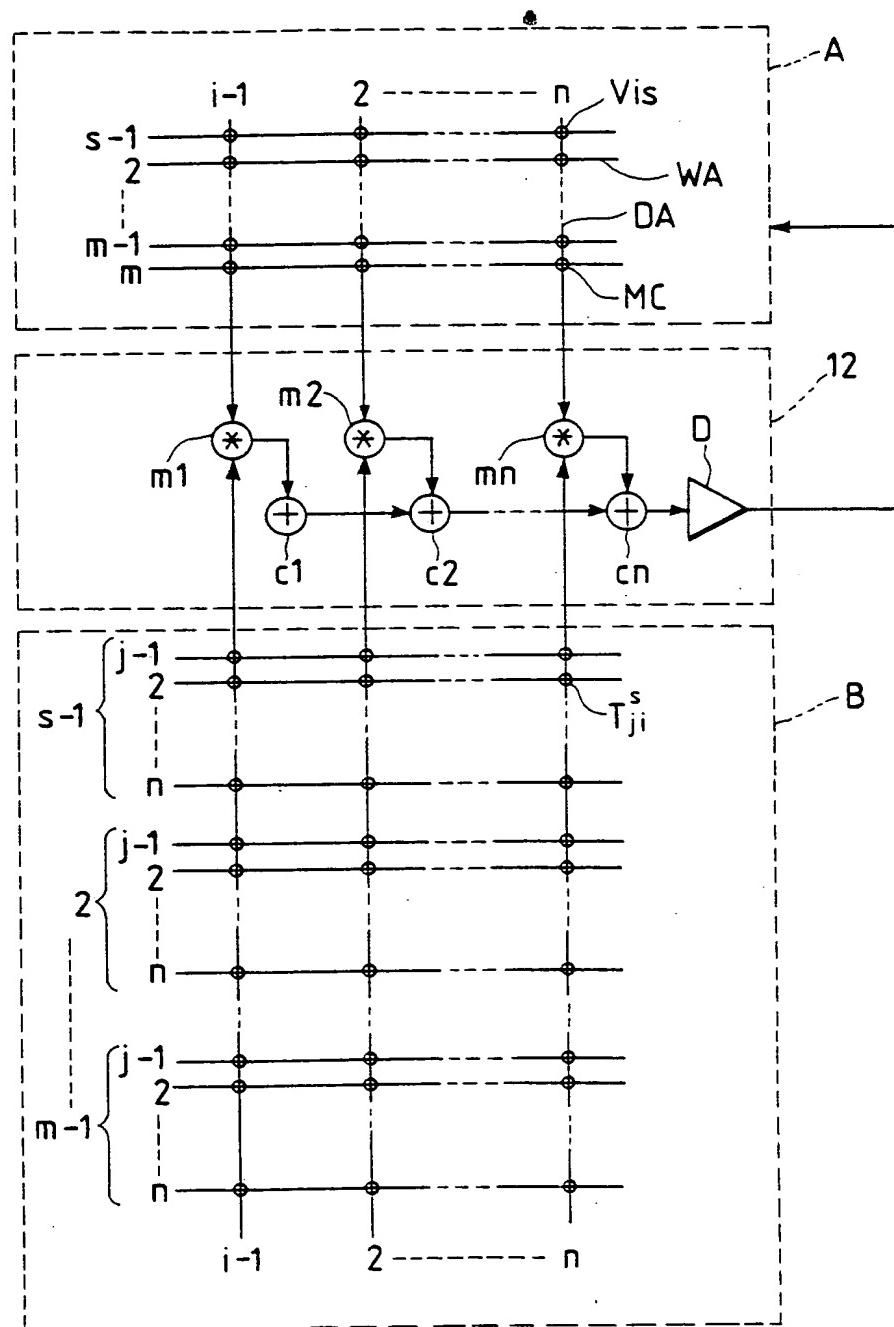


FIG. 8(b)

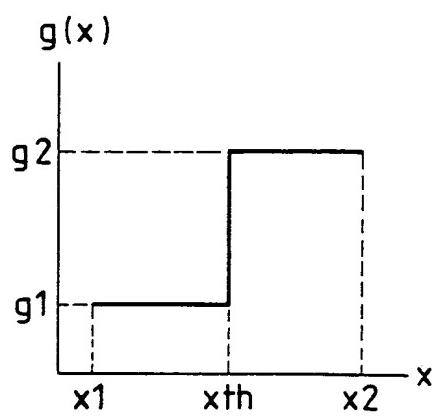


FIG. 8(c)

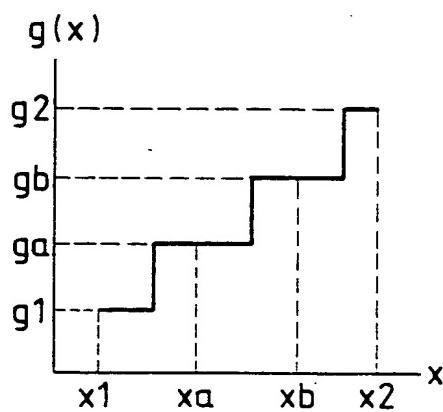


FIG. 8(d)

SELECTED WORD LINE		WRITE ADDRESS
ARRAY A s	ARRAY B (s, j)	ARRAY A (s, i)
1	(1, 1)	(2, 1)
1	(1, 2)	(2, 2)
⋮	⋮	⋮
1	(1, n)	(2, n)
2	(2, 1)	(3, 1)
2	(2, 2)	(3, 2)
⋮	⋮	⋮
2	(2, n)	(3, n)
m - 1	(m-1, 1)	(m, 1)
m - 1	(m-1, 2)	(m, 2)
⋮	⋮	⋮
m - 1	(m-1, m)	(m, n)

FIG. 9(a)

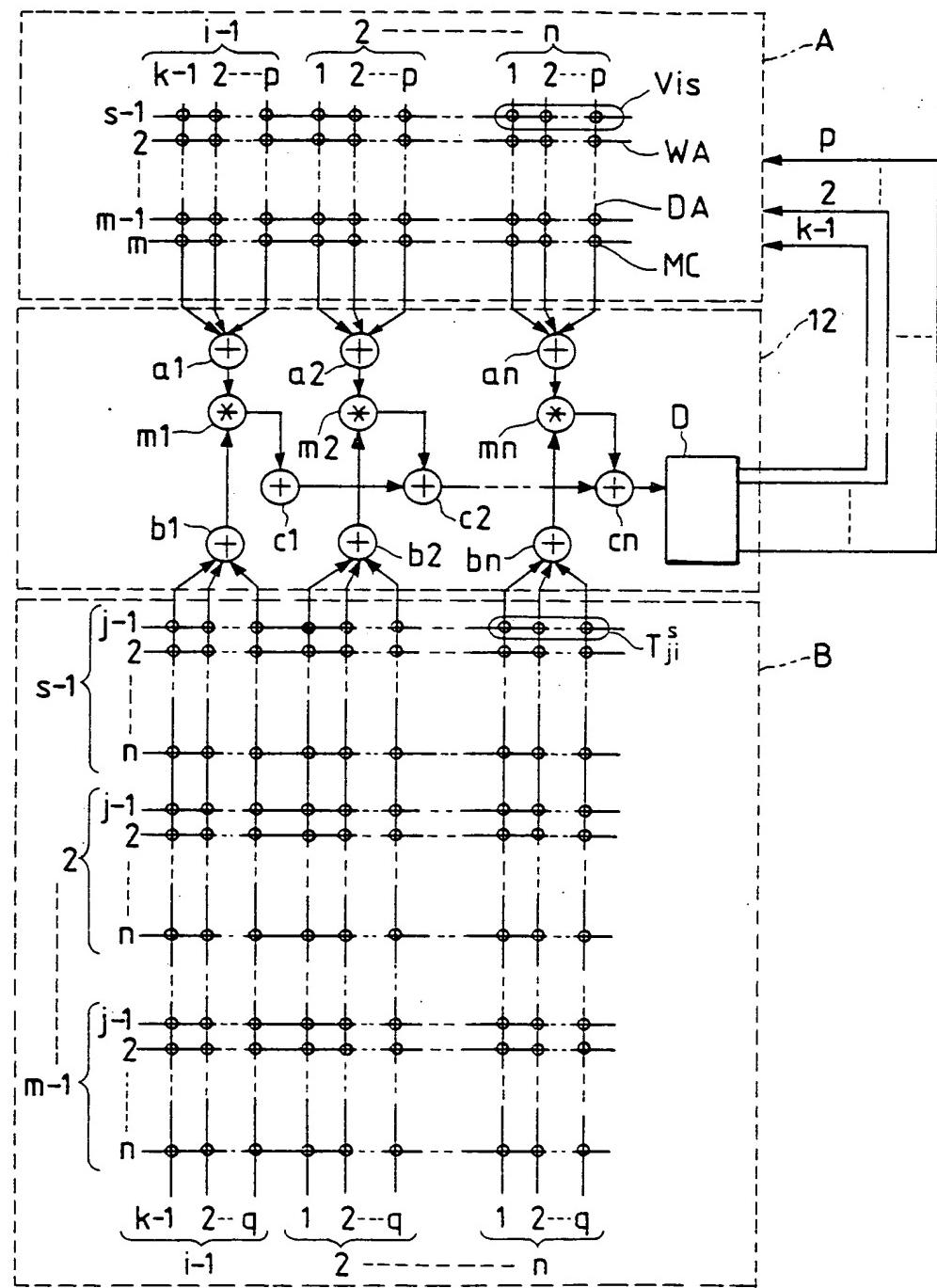


FIG. 9(b)

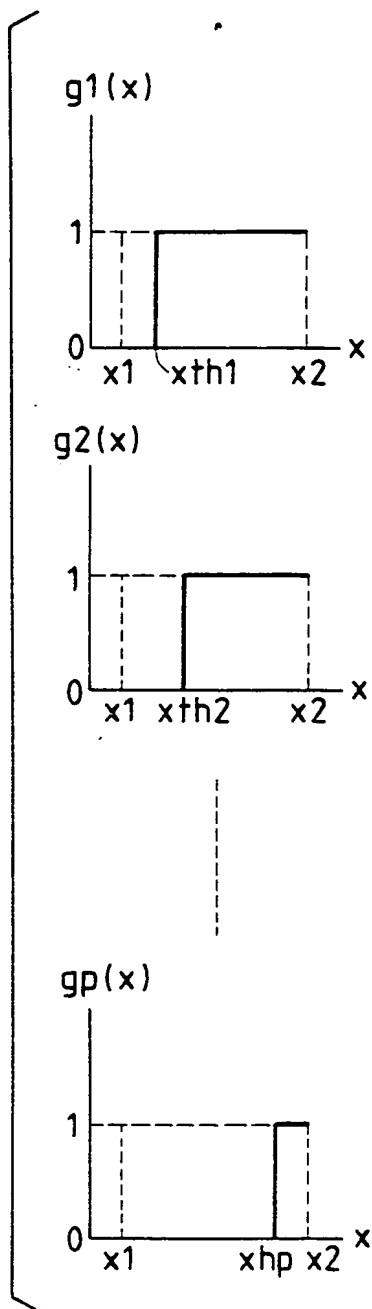


FIG. 9(c)

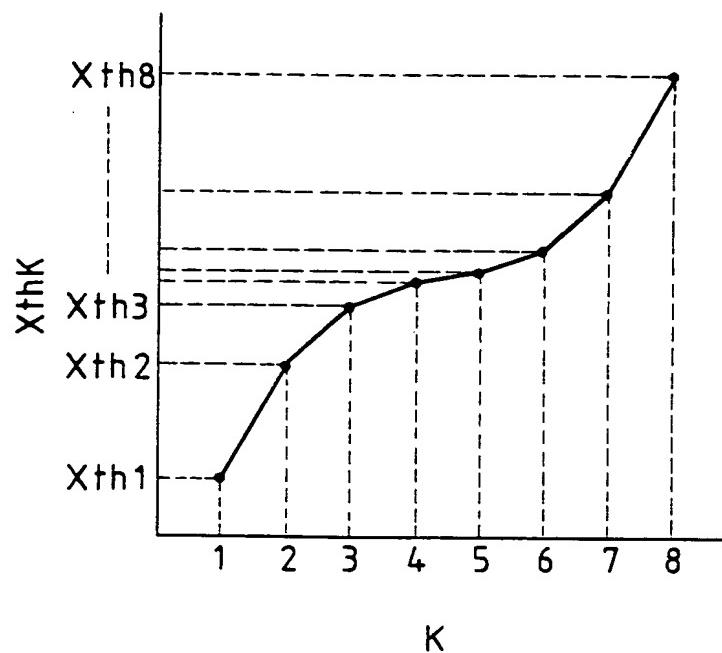


FIG. 10(a)

00200304050607080900

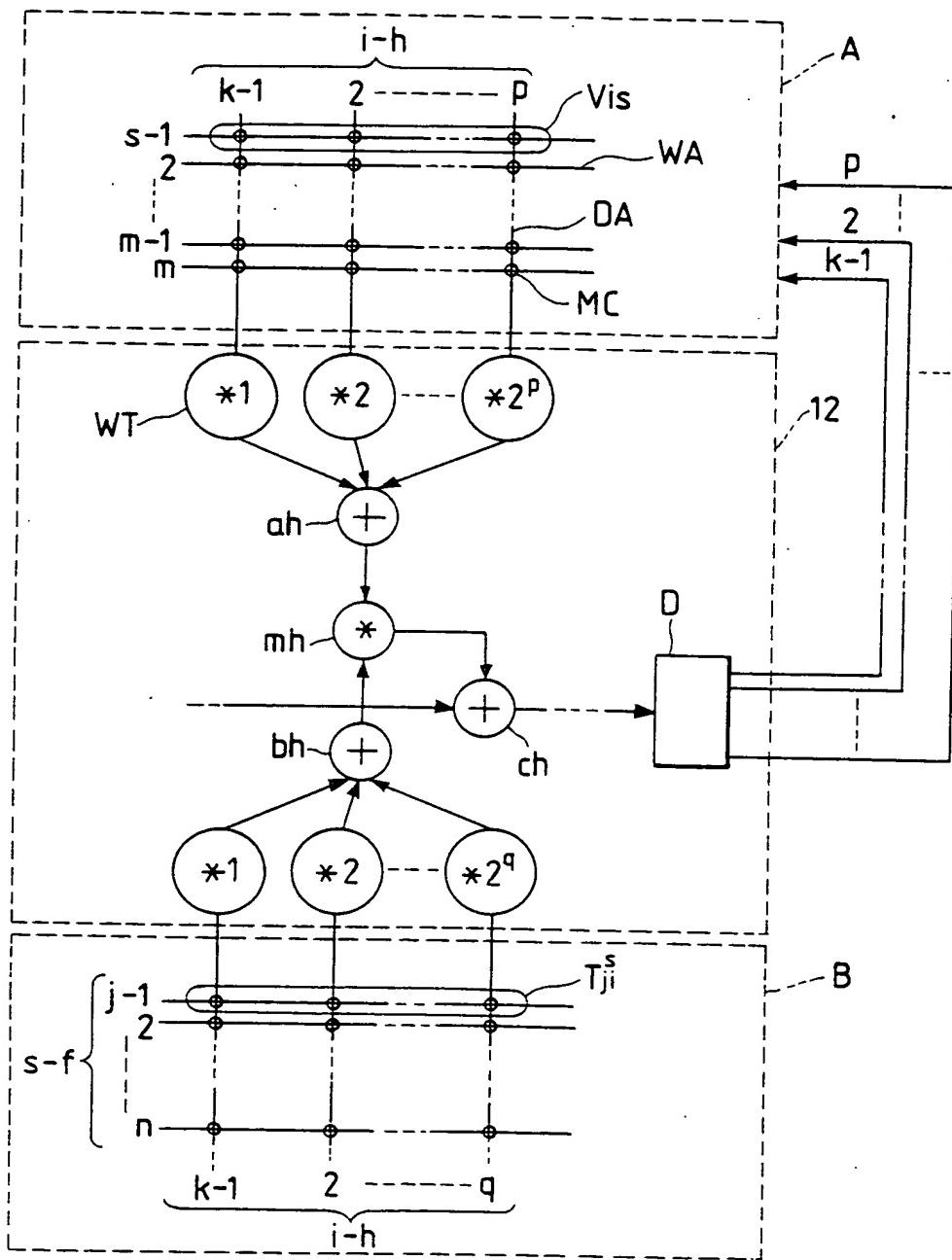


FIG. 10(b)

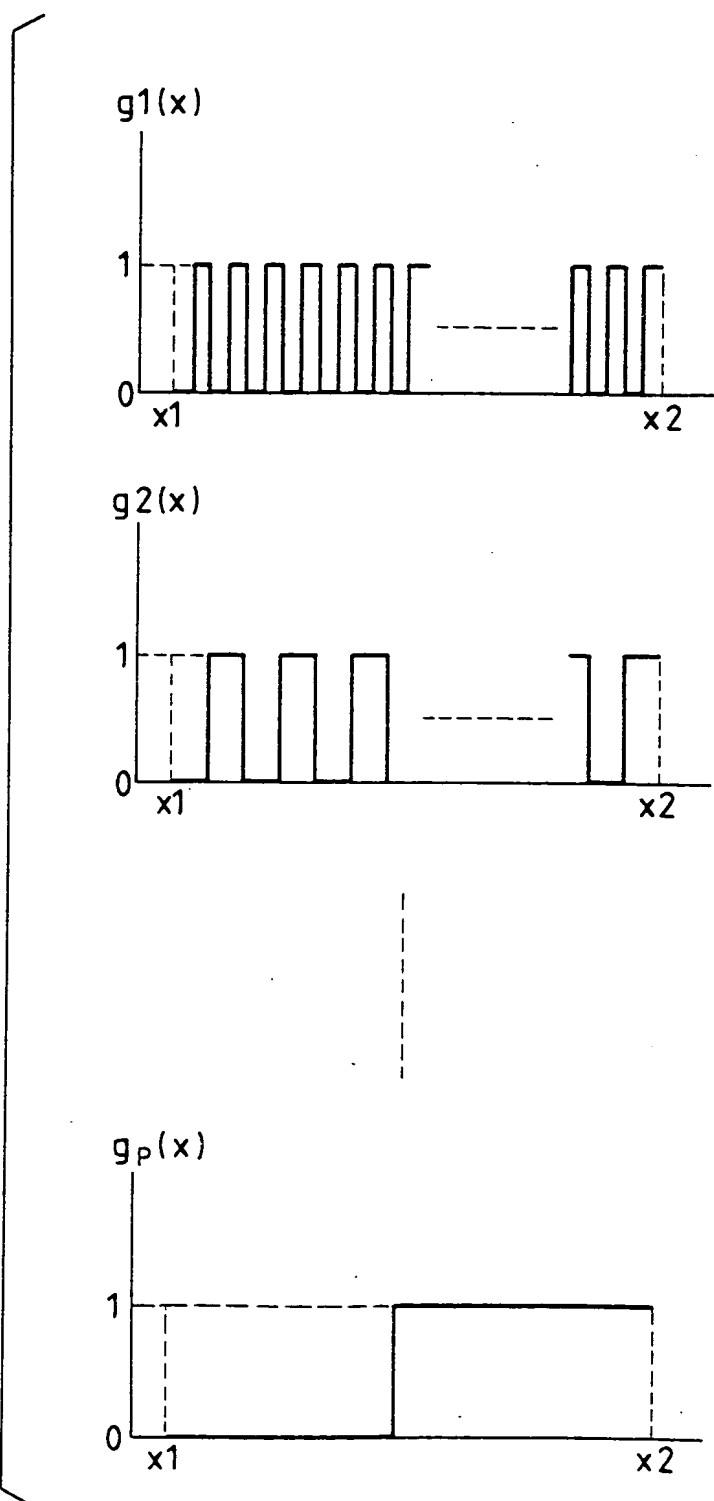


FIG. 11

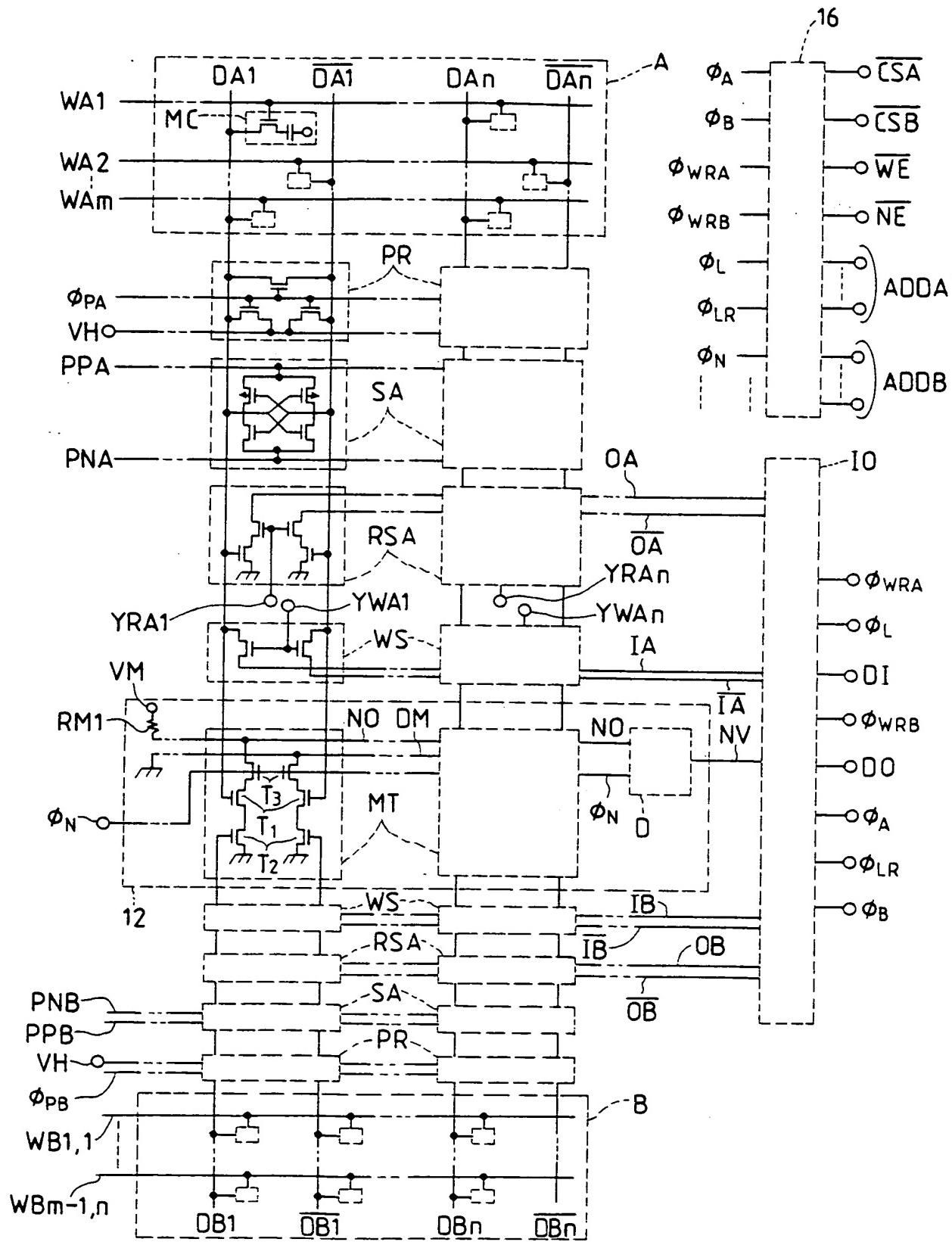


FIG. 12

SIGNAL \ MODE	MEMORY MODE				ARITHMETIC MODE	
	AR	AW	BR	BW	NR	NW
CSA	L	L	H	H	L	L
CSB	H	H	L	L	L	H
WE	H	L	H	L	H	L
NE	H	H	H	H	L	L
ADDRESS	ADDA	ADDA	ADDB	ADDB	ADDA ADDB	ADDA

FIG. 13(a)

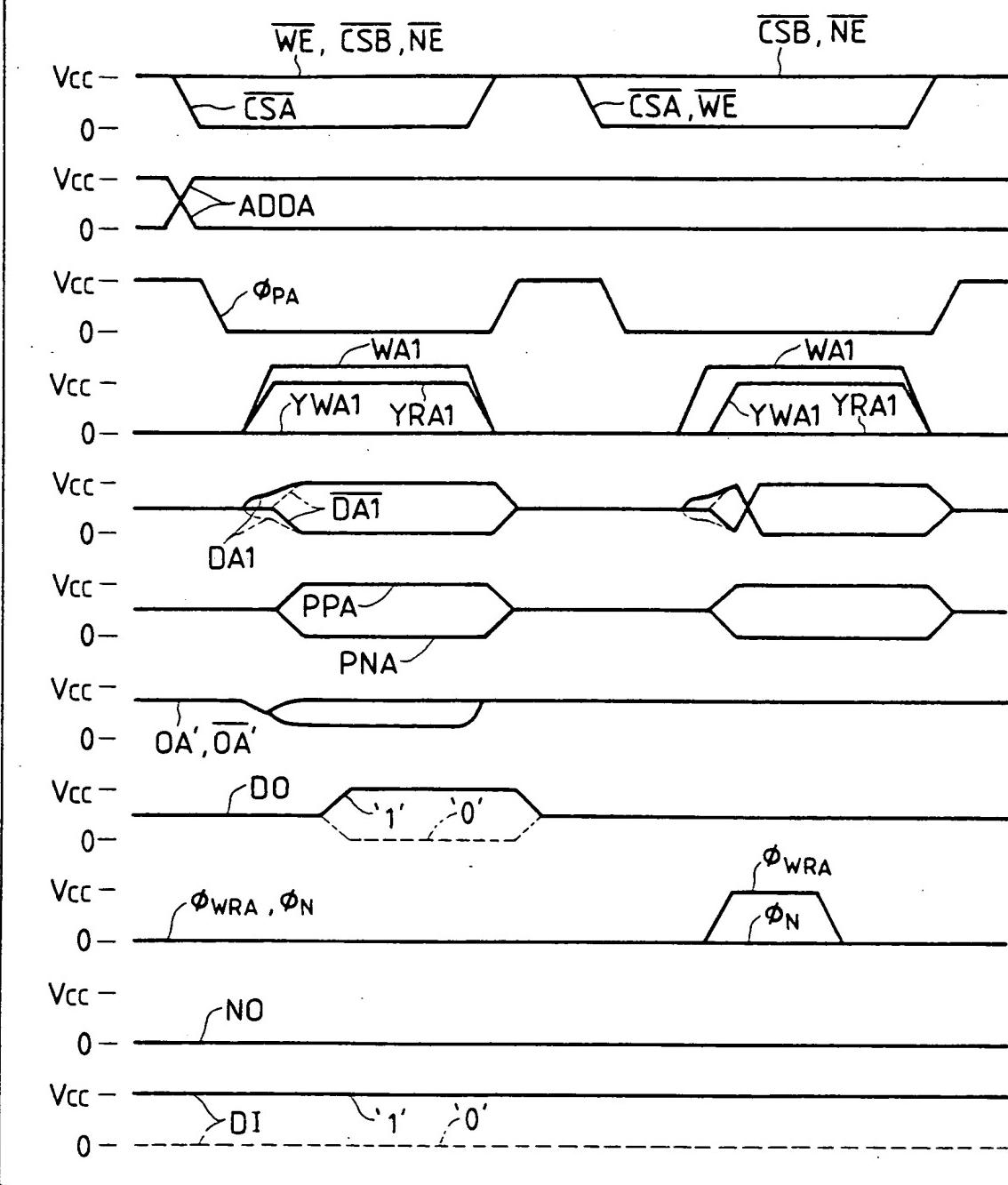


FIG. 13(b)

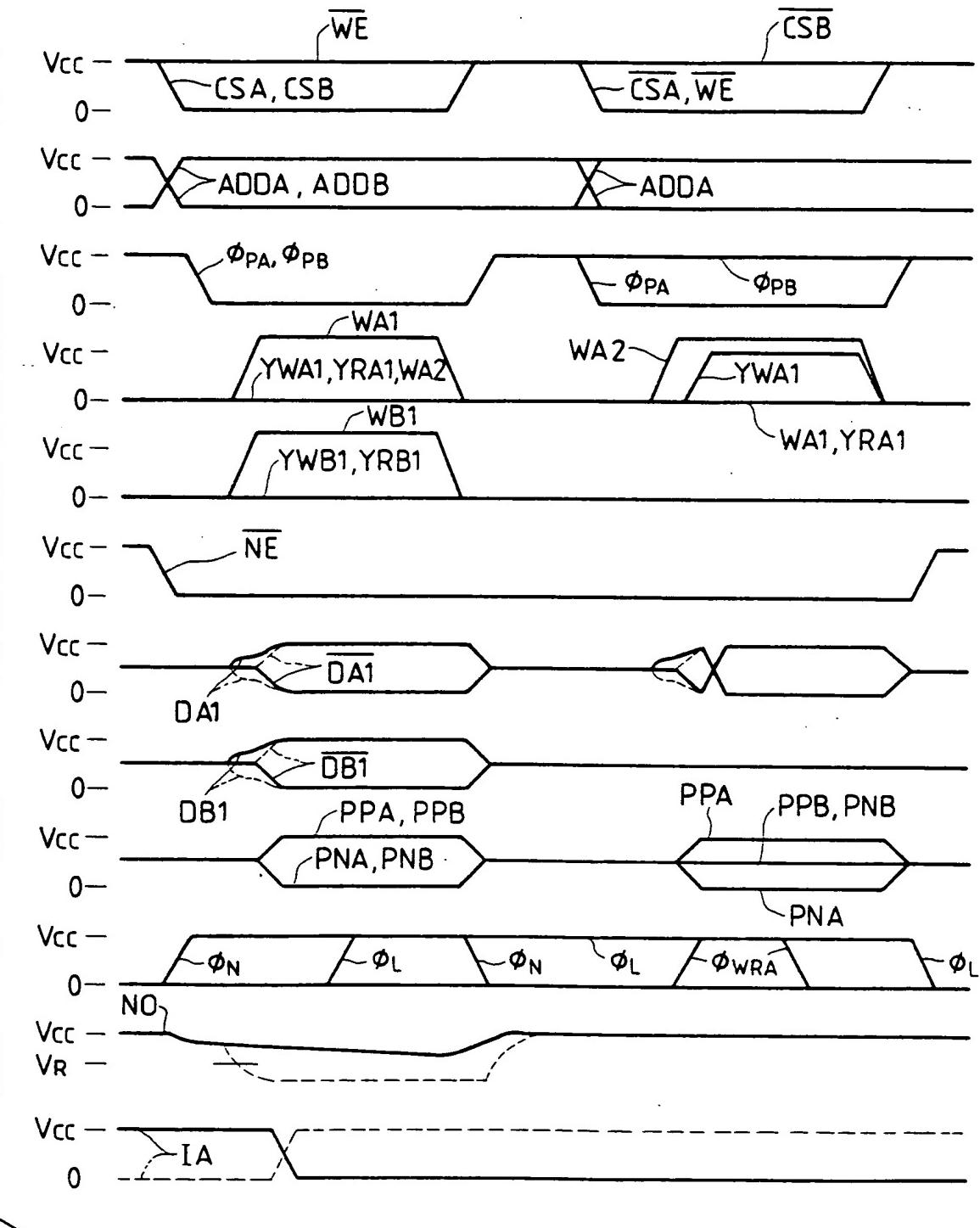


FIG. 14(a)

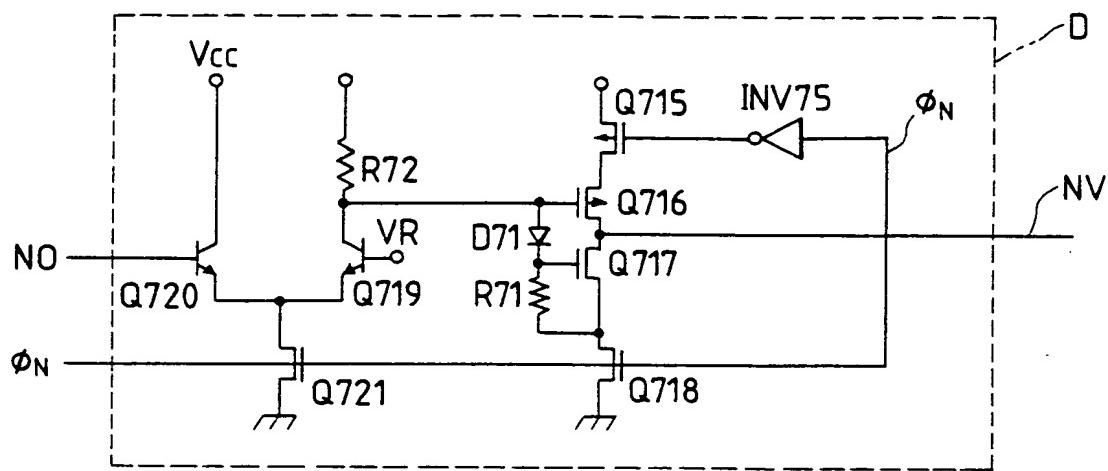


FIG. 14(b)

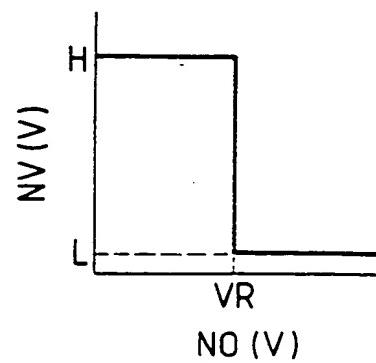


FIG. 14(c)

00000000000000000000000000000000

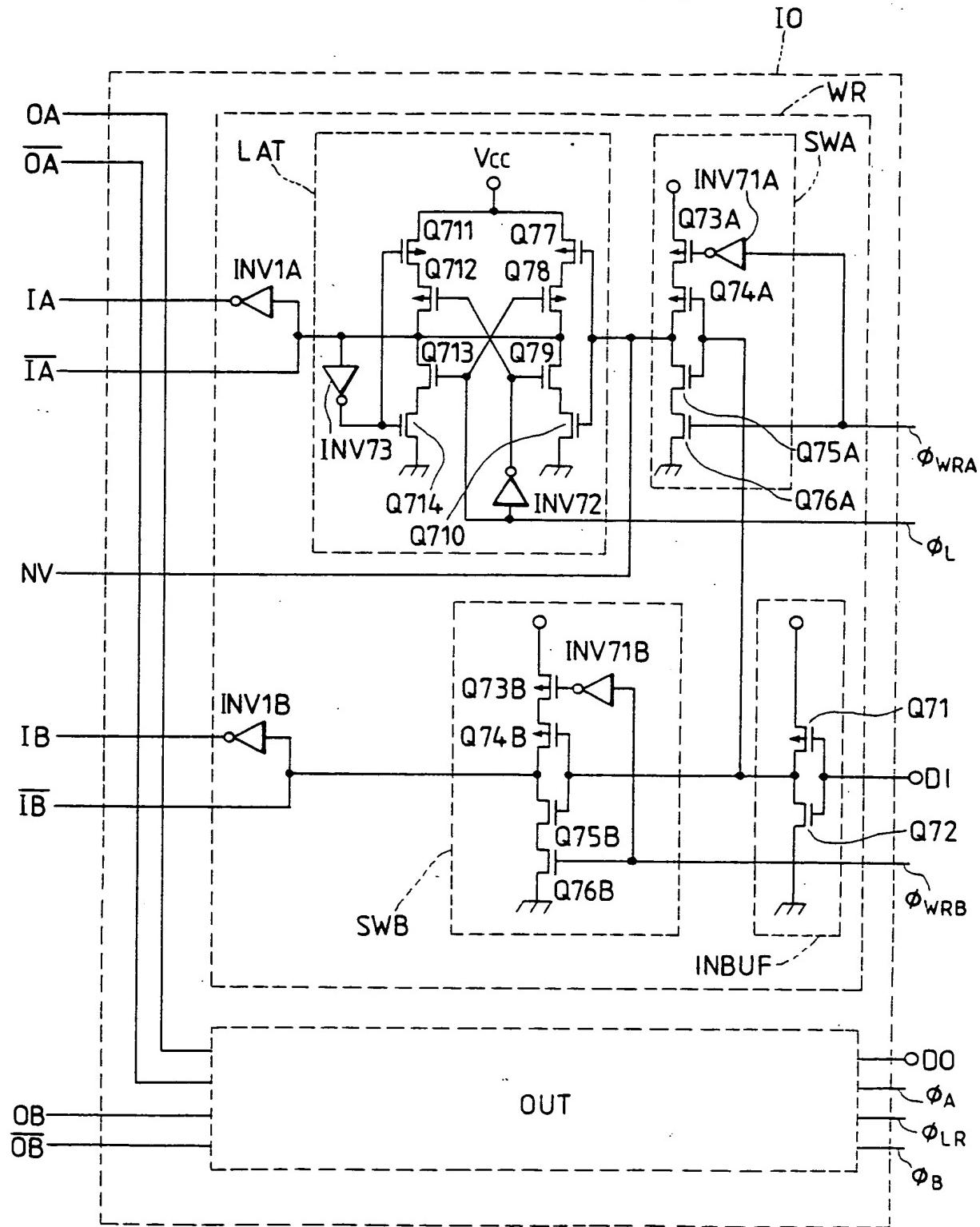


FIG. 14(d)

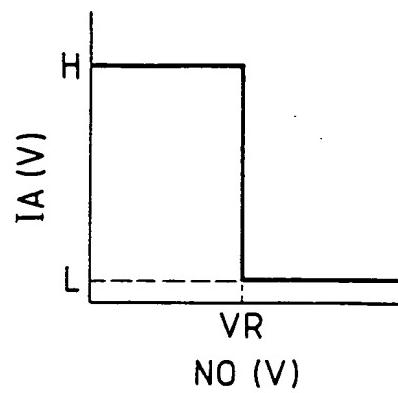


FIG. 14(e)

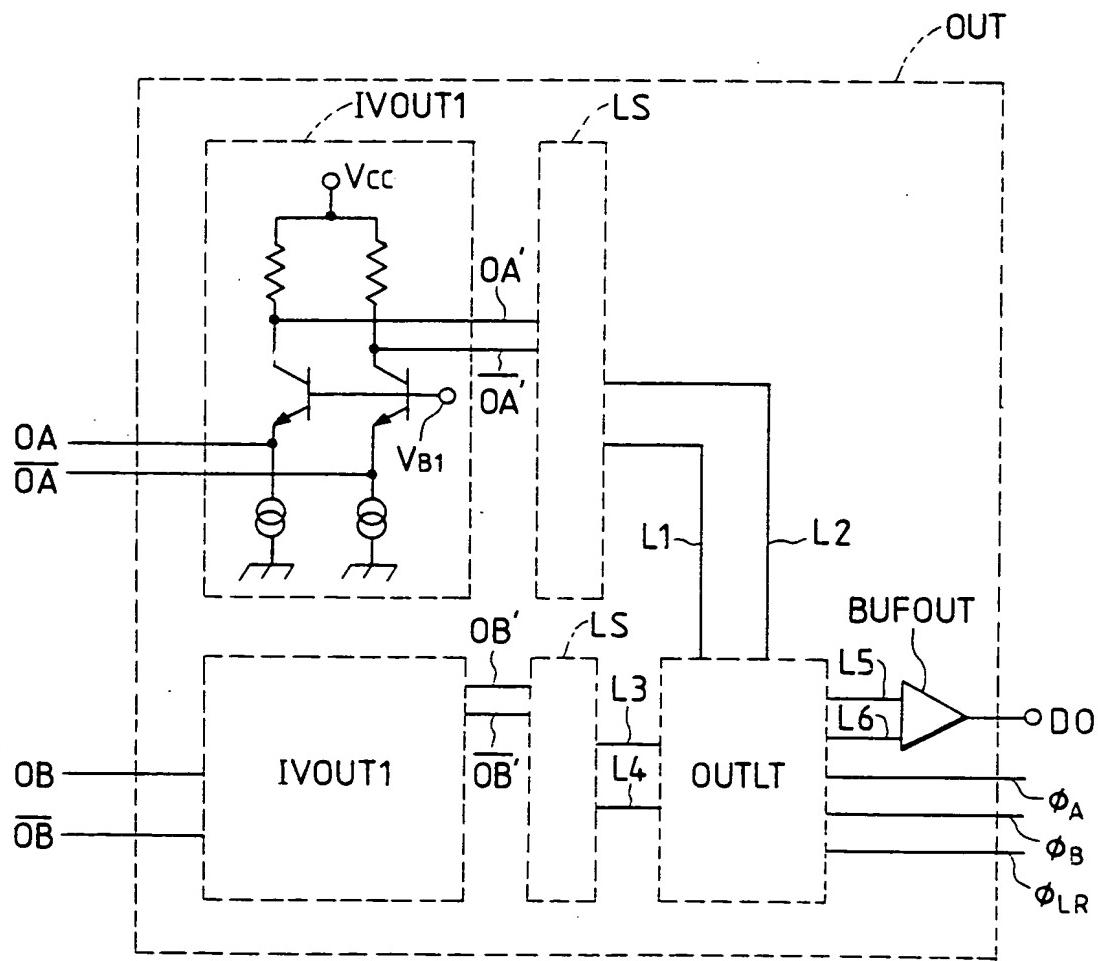


FIG. 14(f)

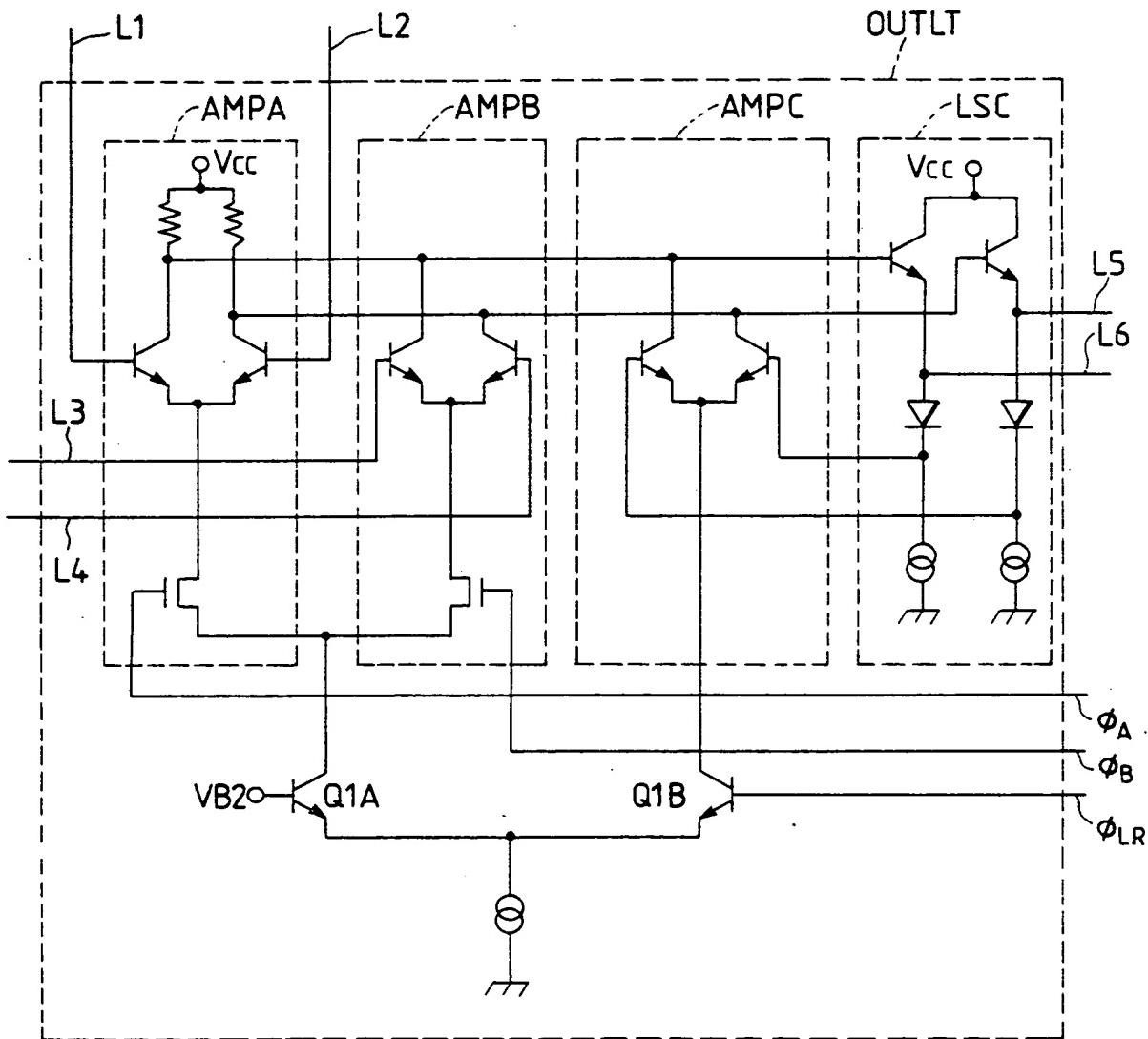


FIG. 15

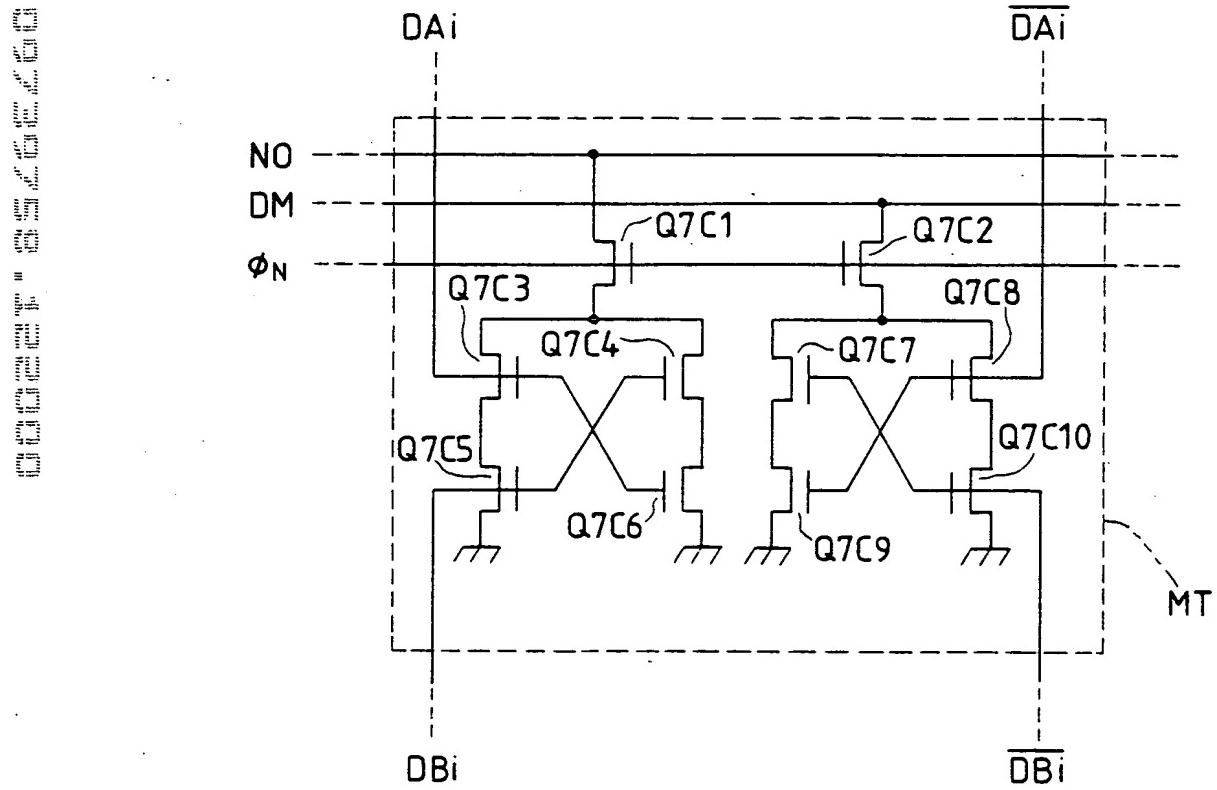


FIG. 16(a)

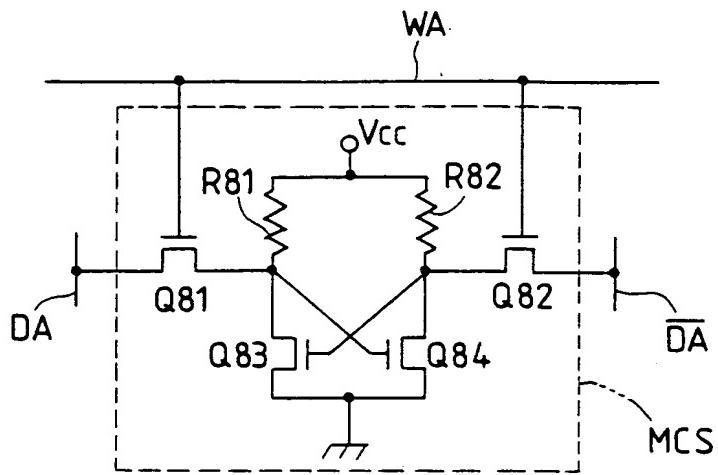


FIG. 16(b)

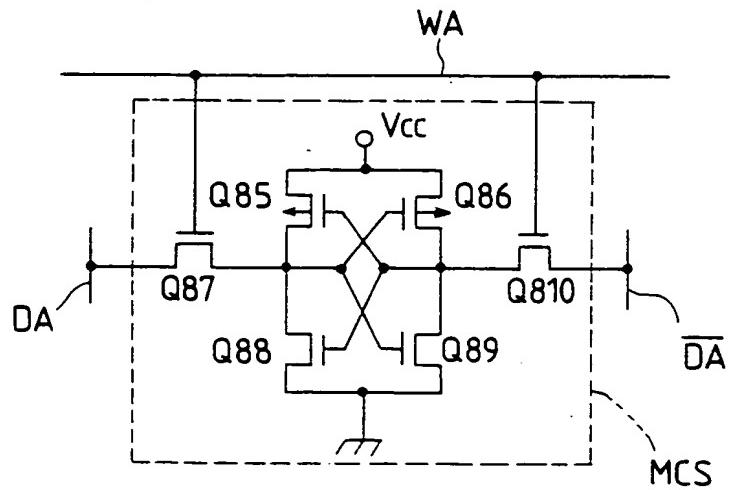


FIG. 16(c)

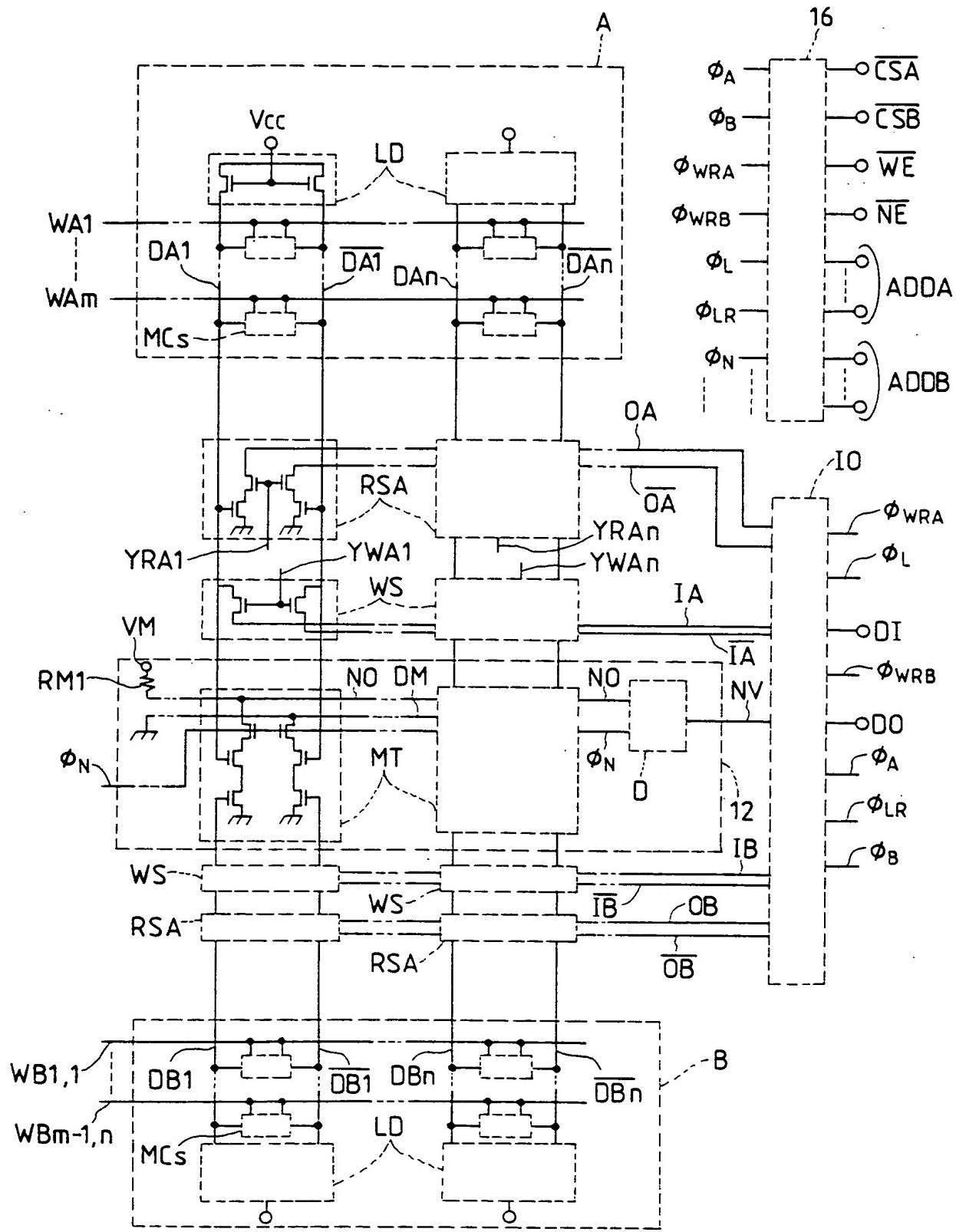


FIG. 17(a)

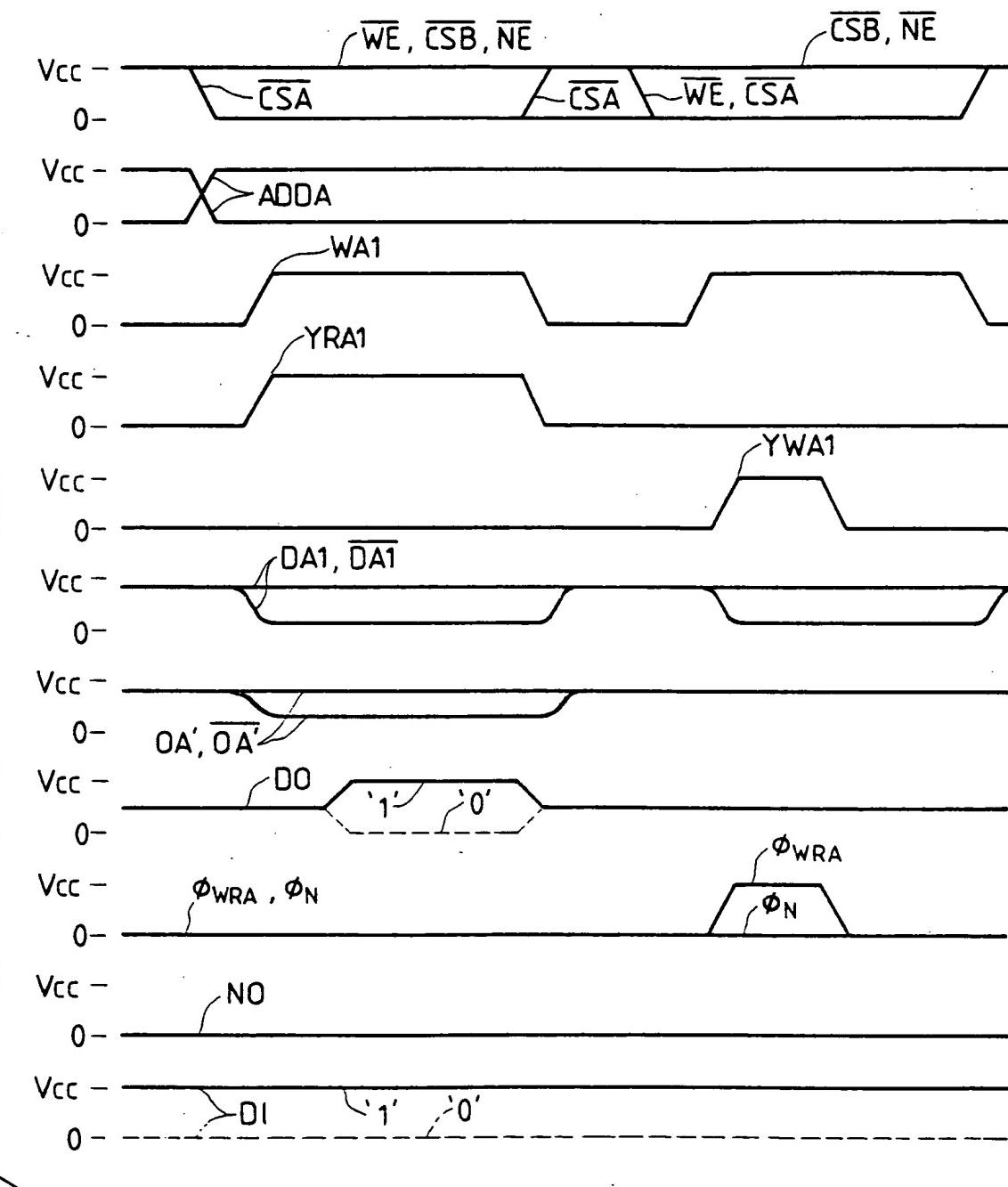


FIG. 17(b)

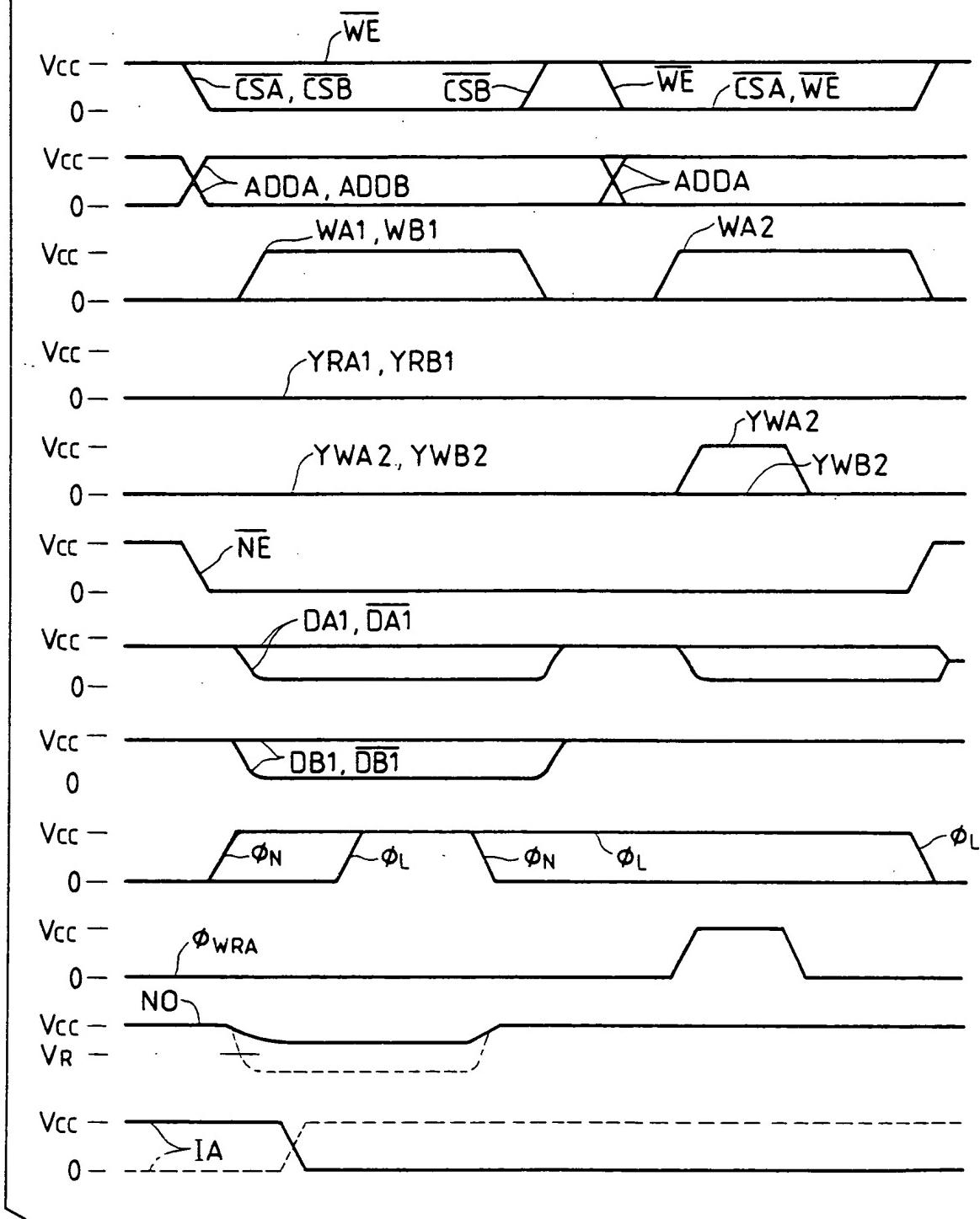


FIG. 18(a)

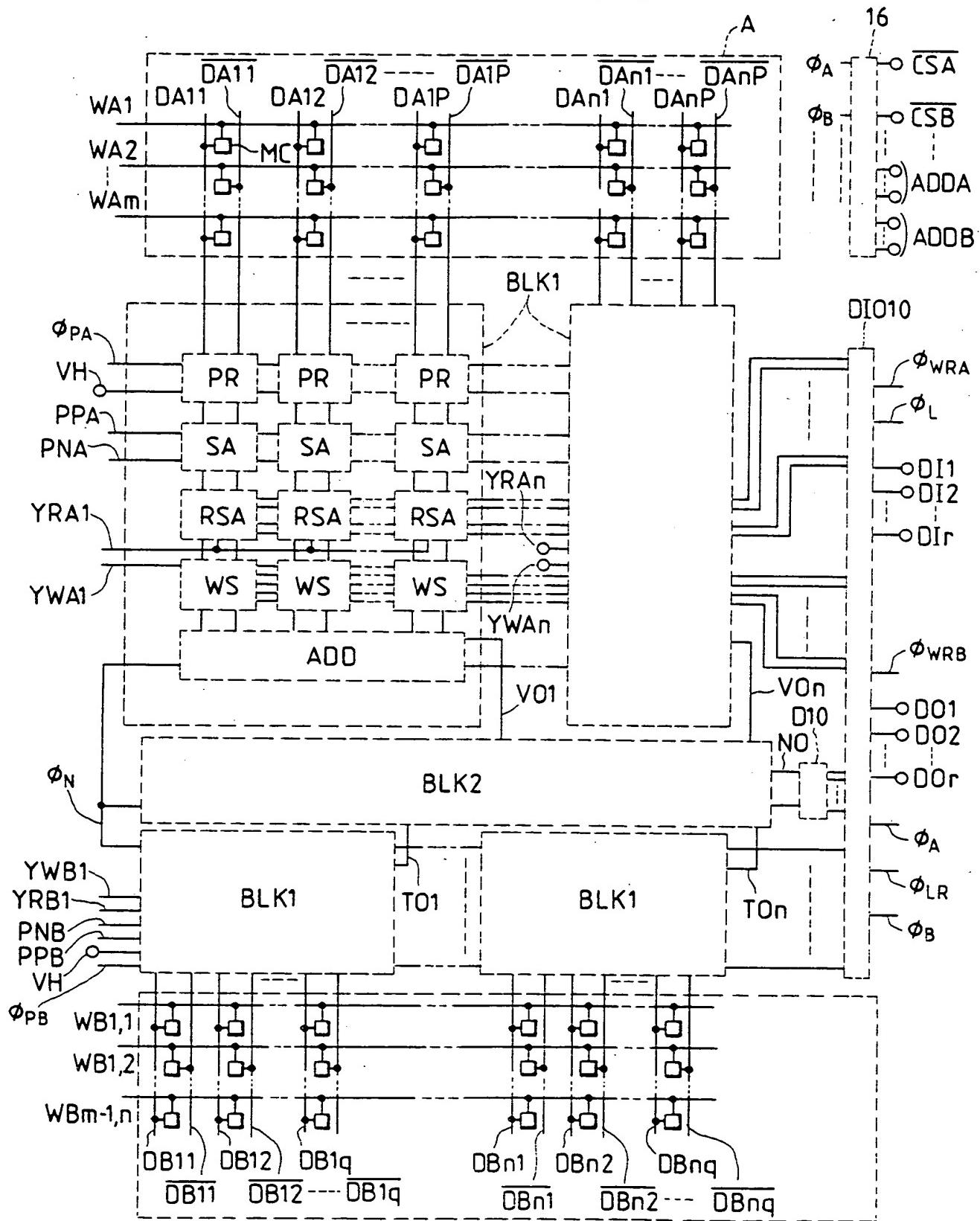


FIG. 18(b)

00000000000000000000000000000000

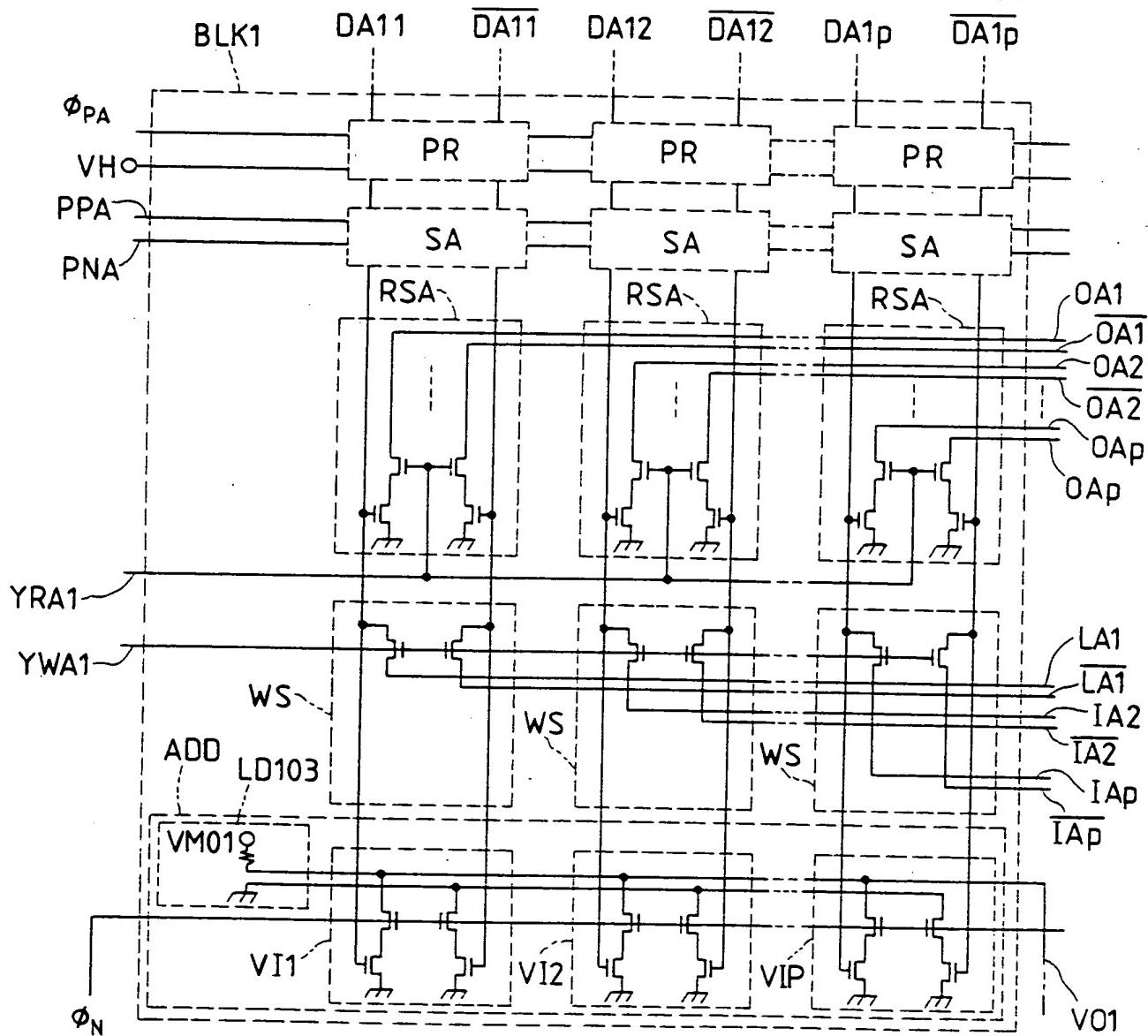


FIG. 18(c)

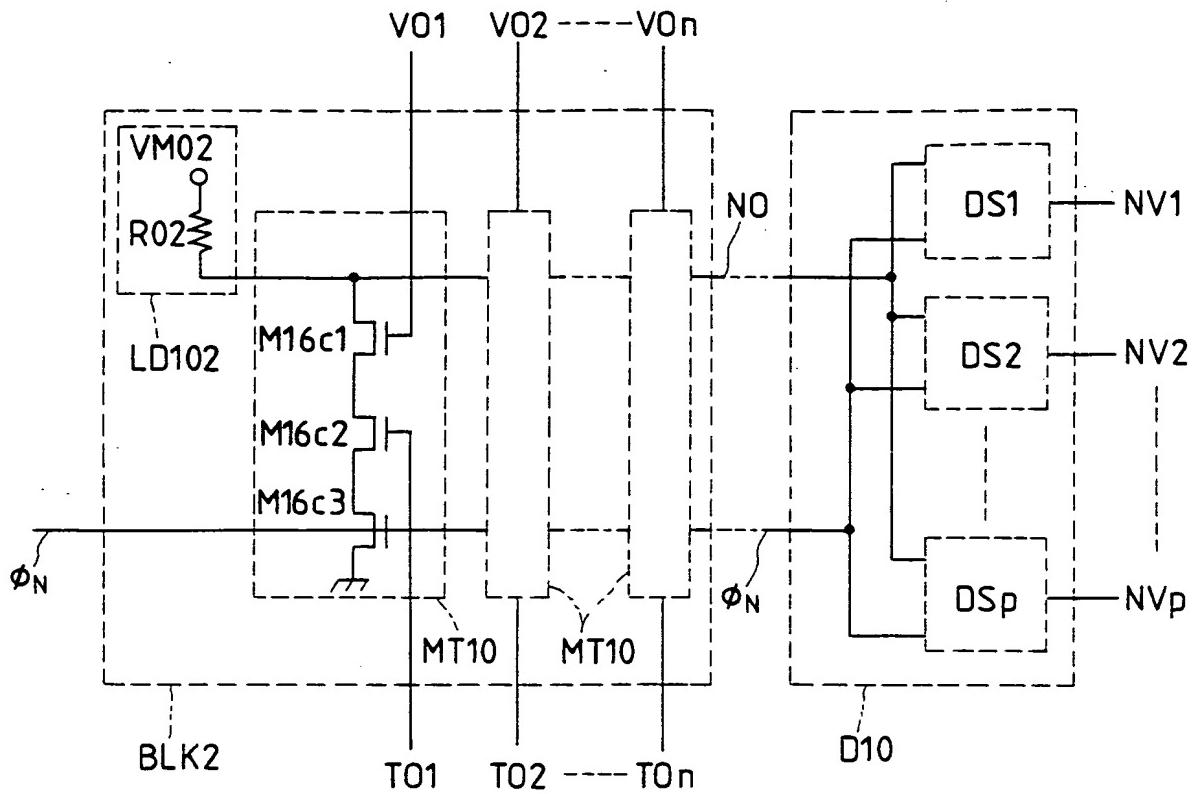


FIG. 18(d)

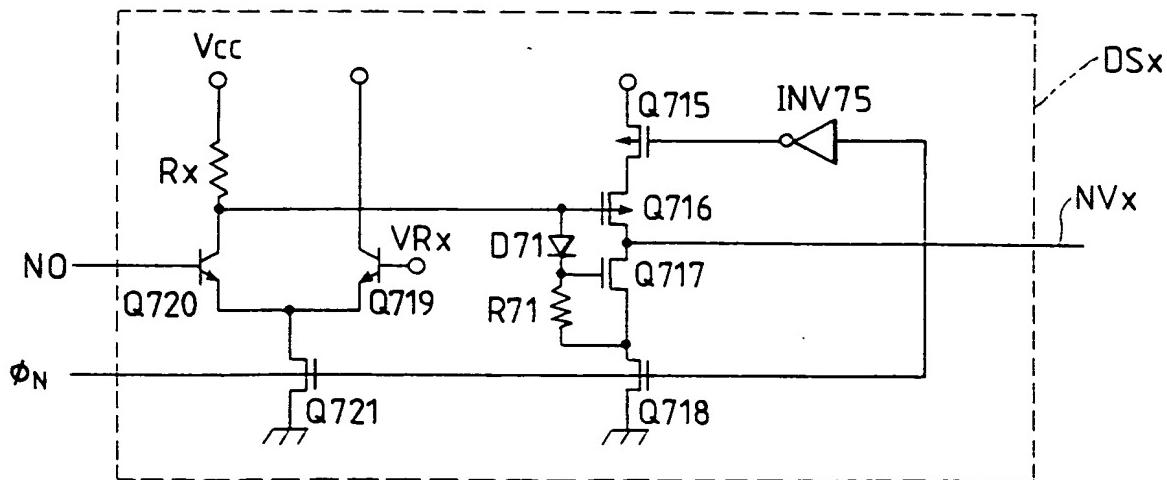


FIG. 18(e)

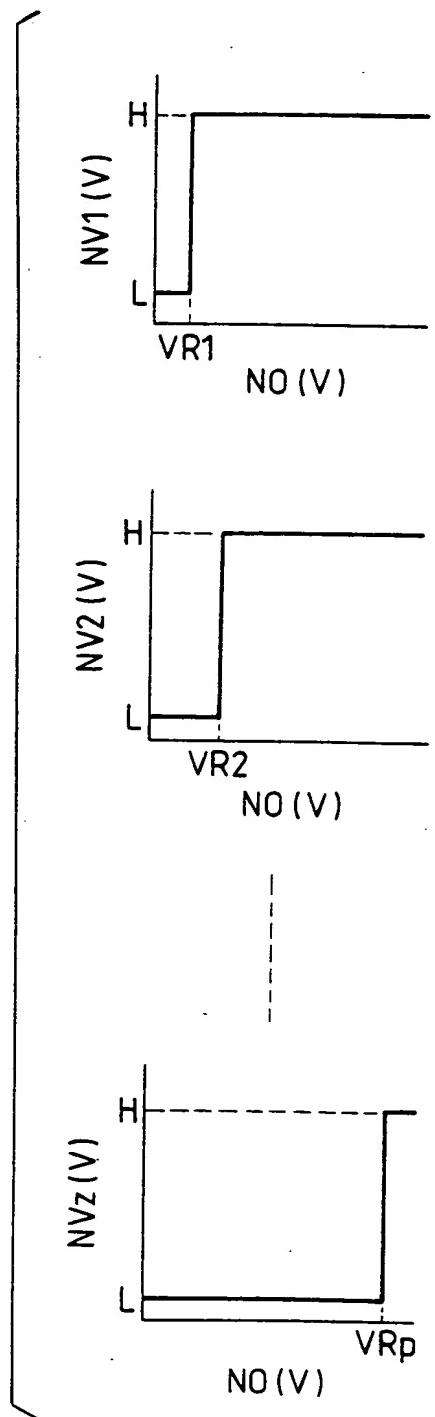


FIG. 19(a)

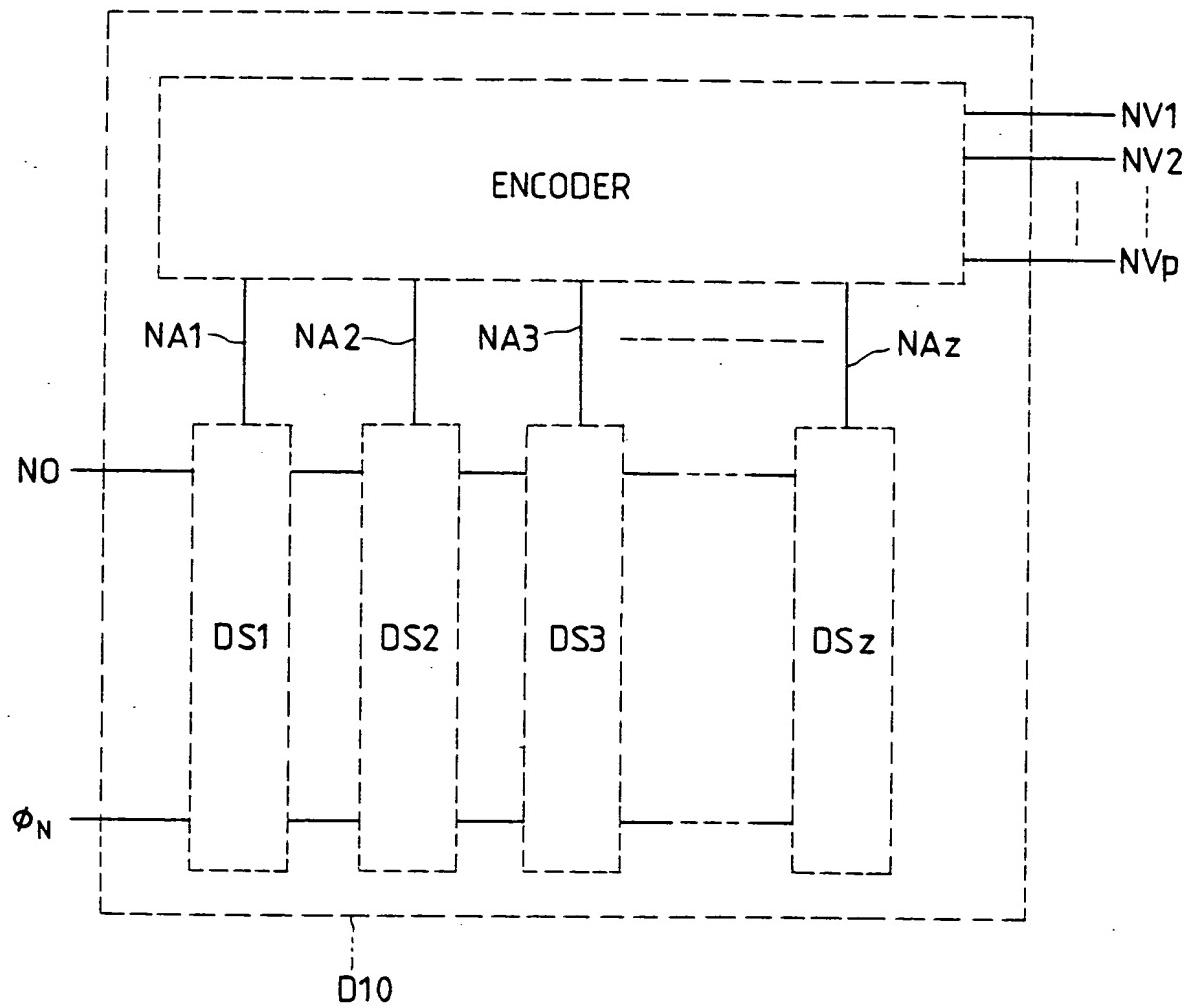


FIG. 19(b)

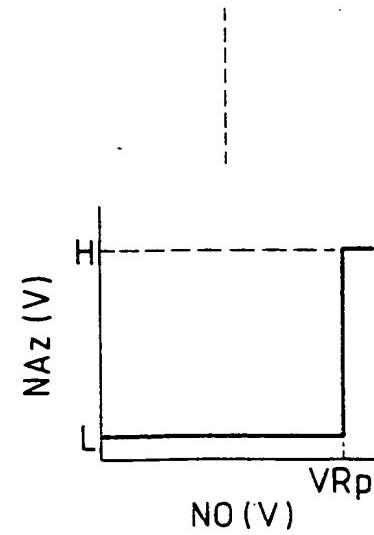
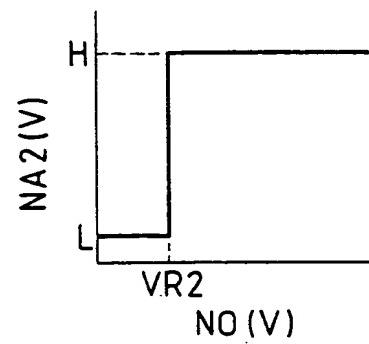
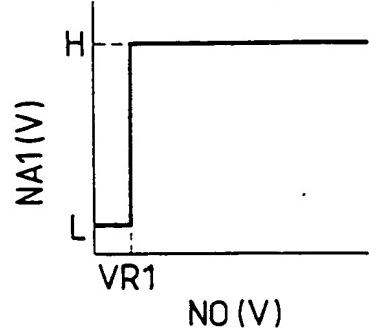


FIG. 19(c)

ENCODER INPUT								ENCODER OUTPUT						
NA1	NA2	NA3	NA4	---	NAz	NV1	NV2	NV3	NV4	---	NVp			
L	L	L	L	---	L	L	L	L	L	---	L			
H	L	L	L	---	L	H	L	L	L	---	L			
H	H	L	L	---	L	L	H	L	L	---	L			
H	H	H	L	---	L	H	H	L	L	---	L			
H	H	H	H	---	L	L	L	H	L	---	L			
---	---	---	---	---	---	---	---	---	---	---	---			
H	H	H	H	---	H	H	H	H	H	---	H			

FIG. 19(d)

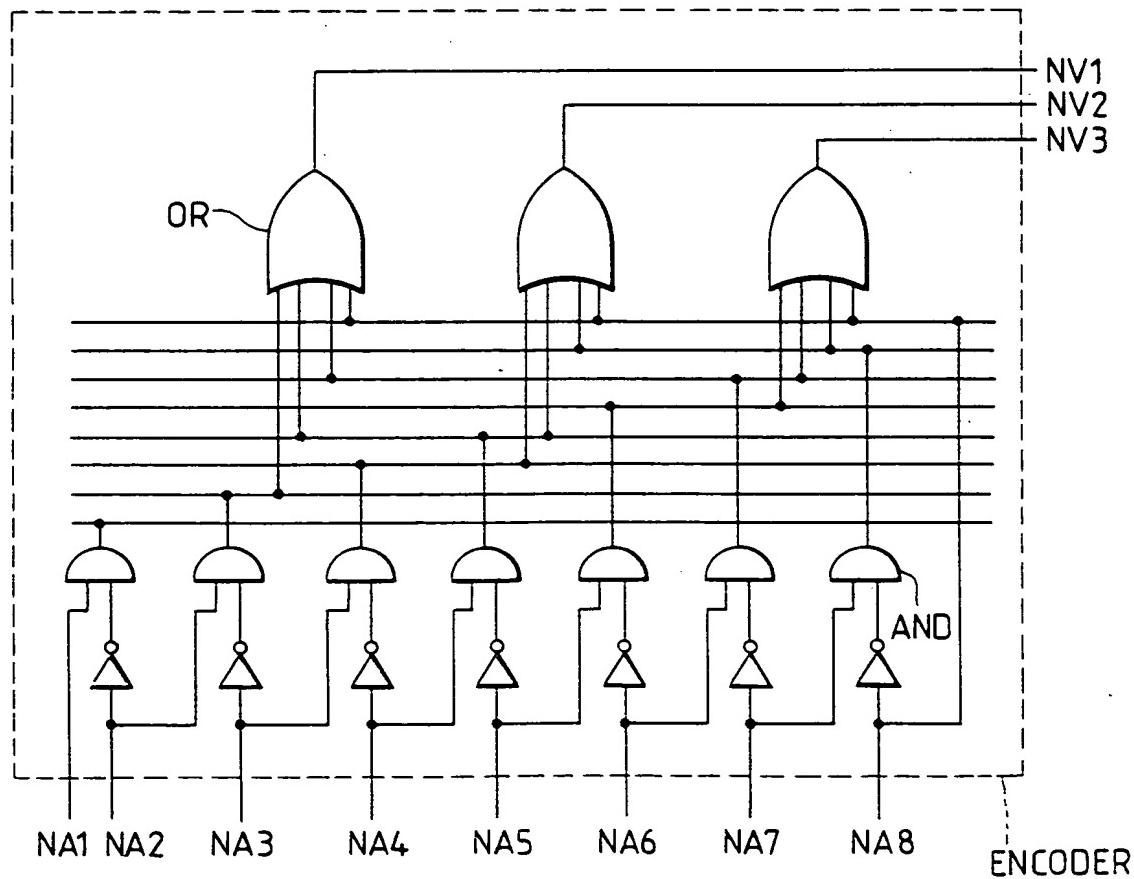


FIG. 20(a)

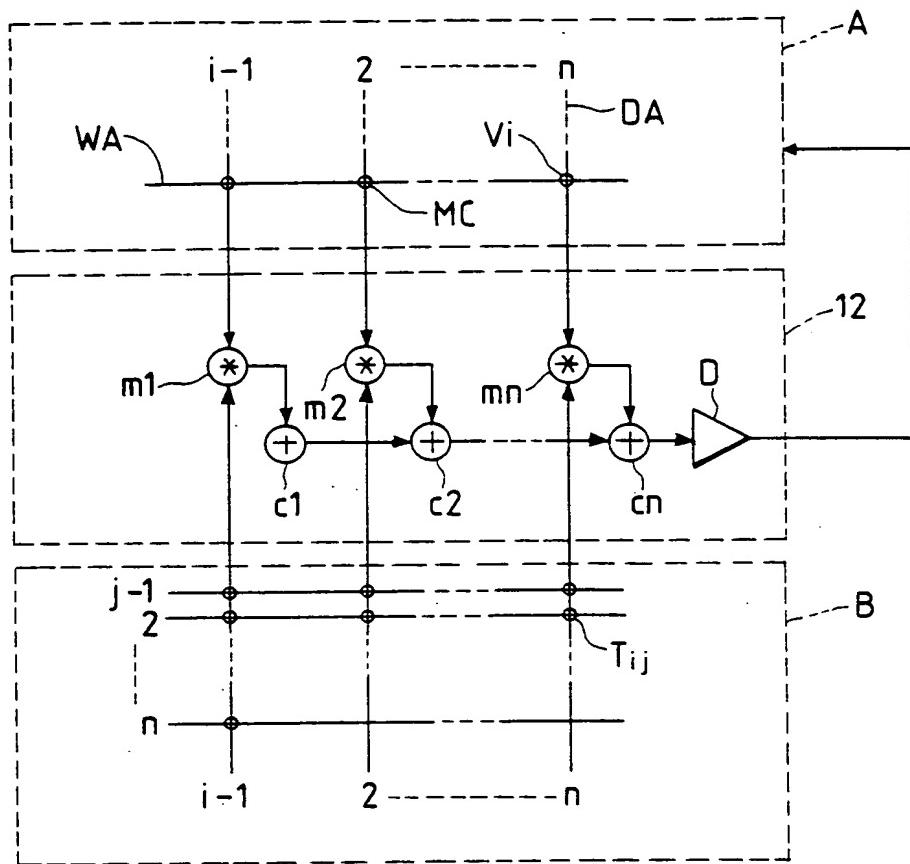


FIG. 20(b)

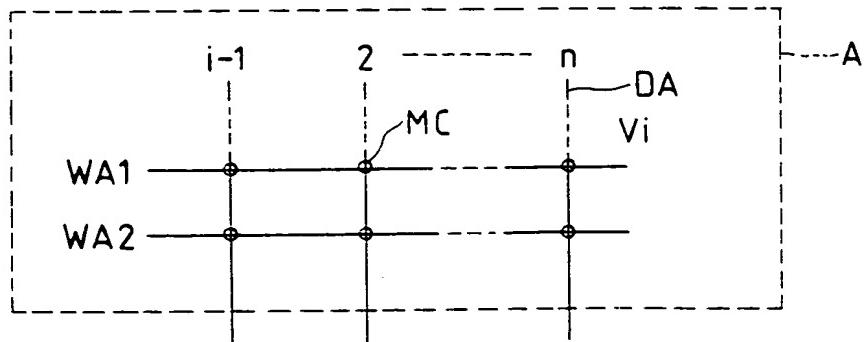


FIG. 21(a)

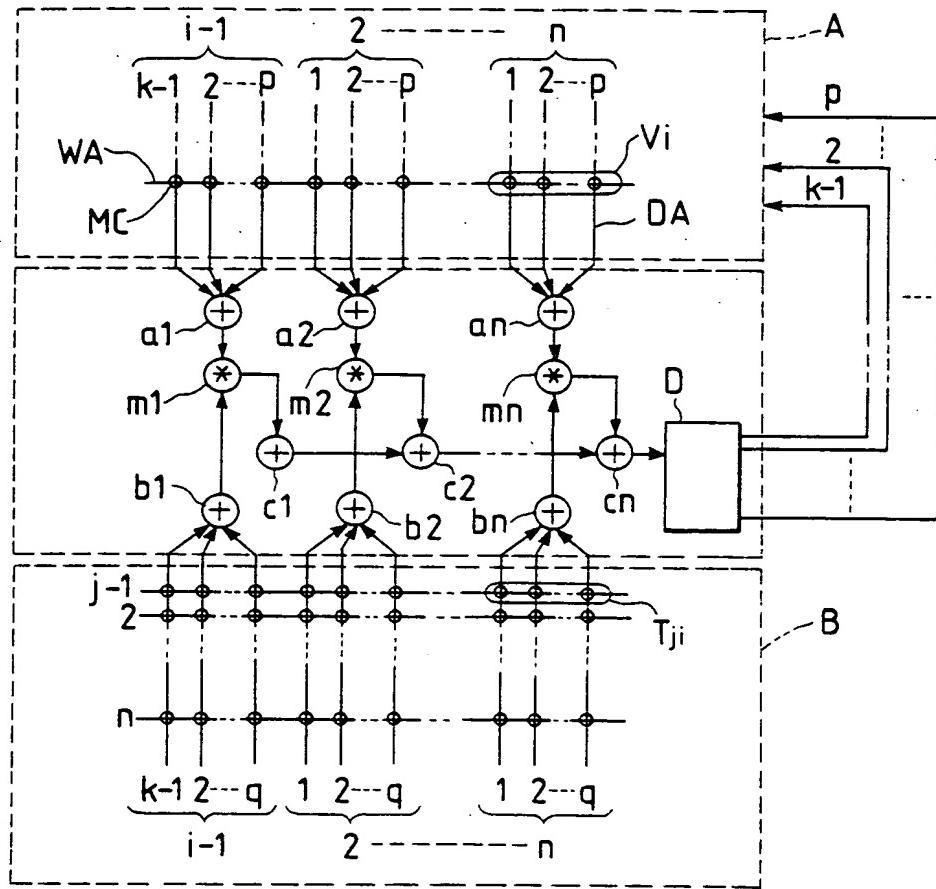


FIG. 21(b)

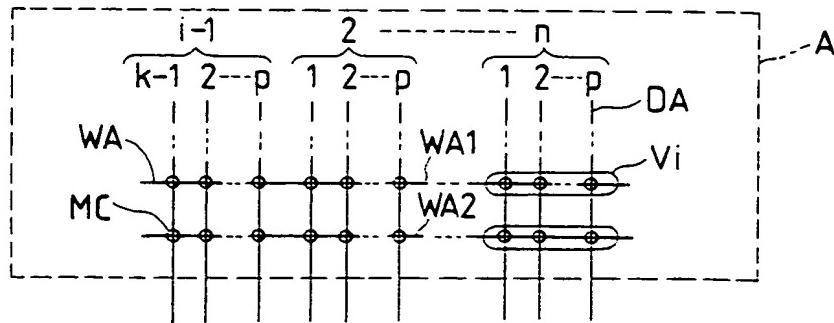


FIG. 22

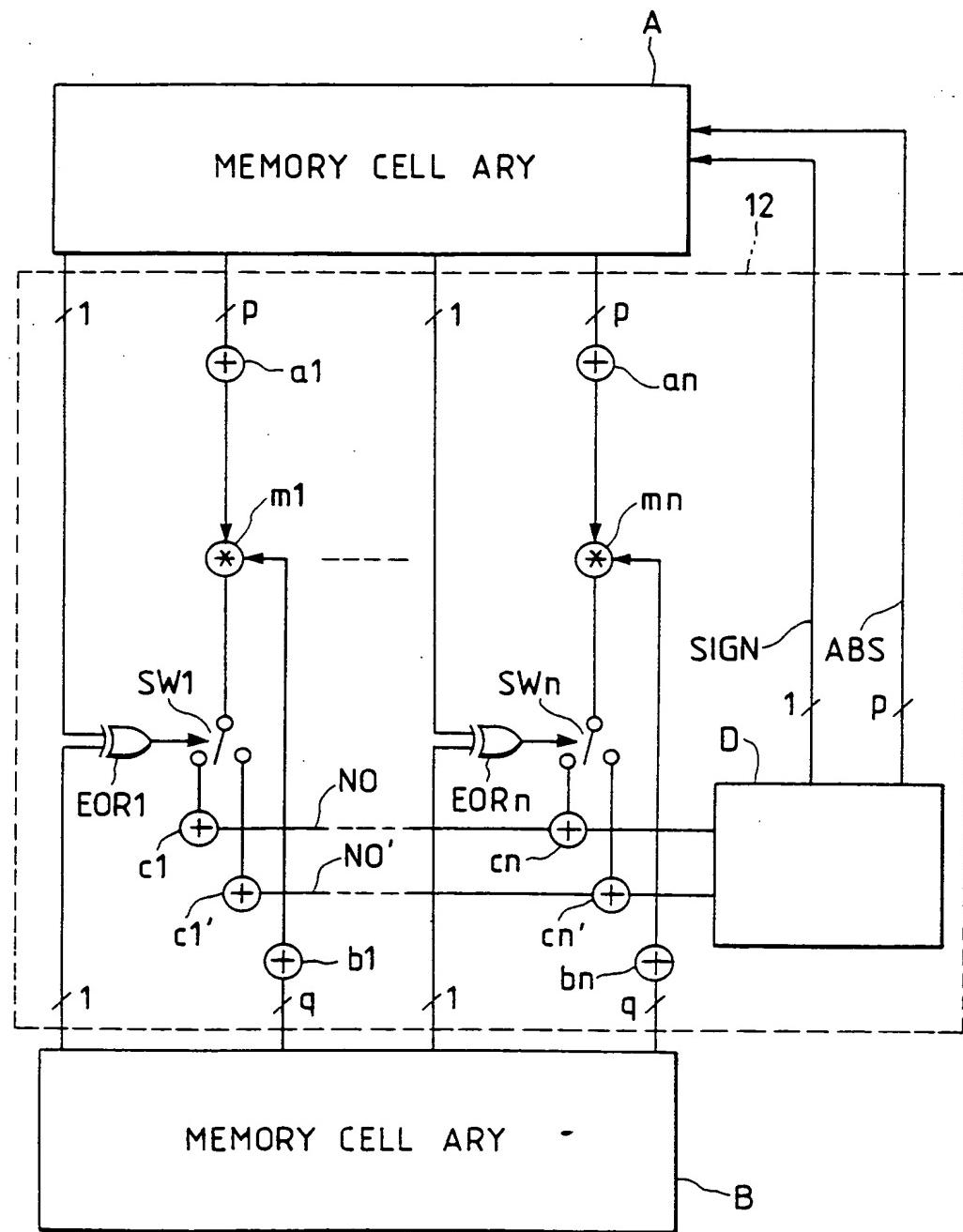
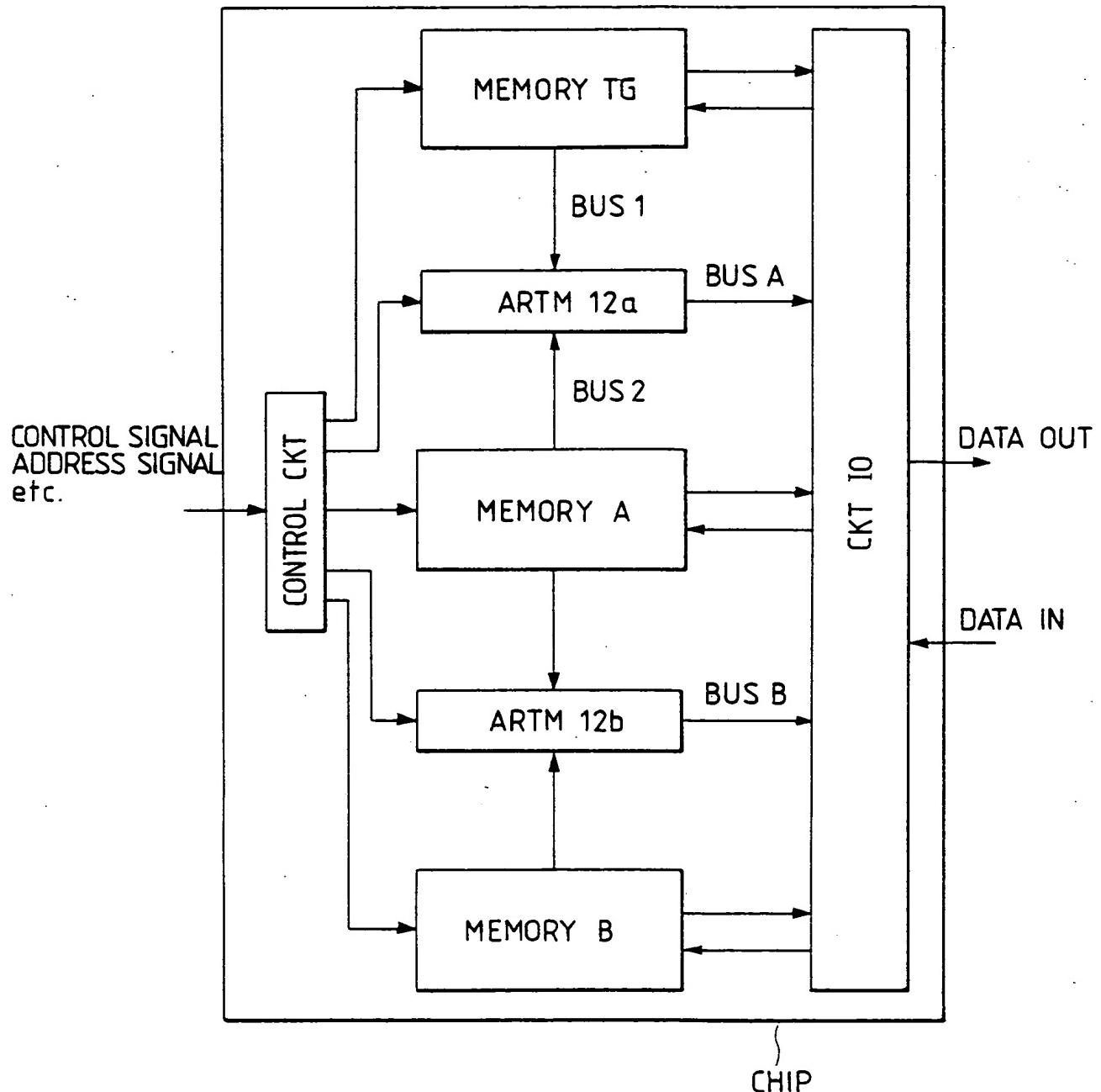
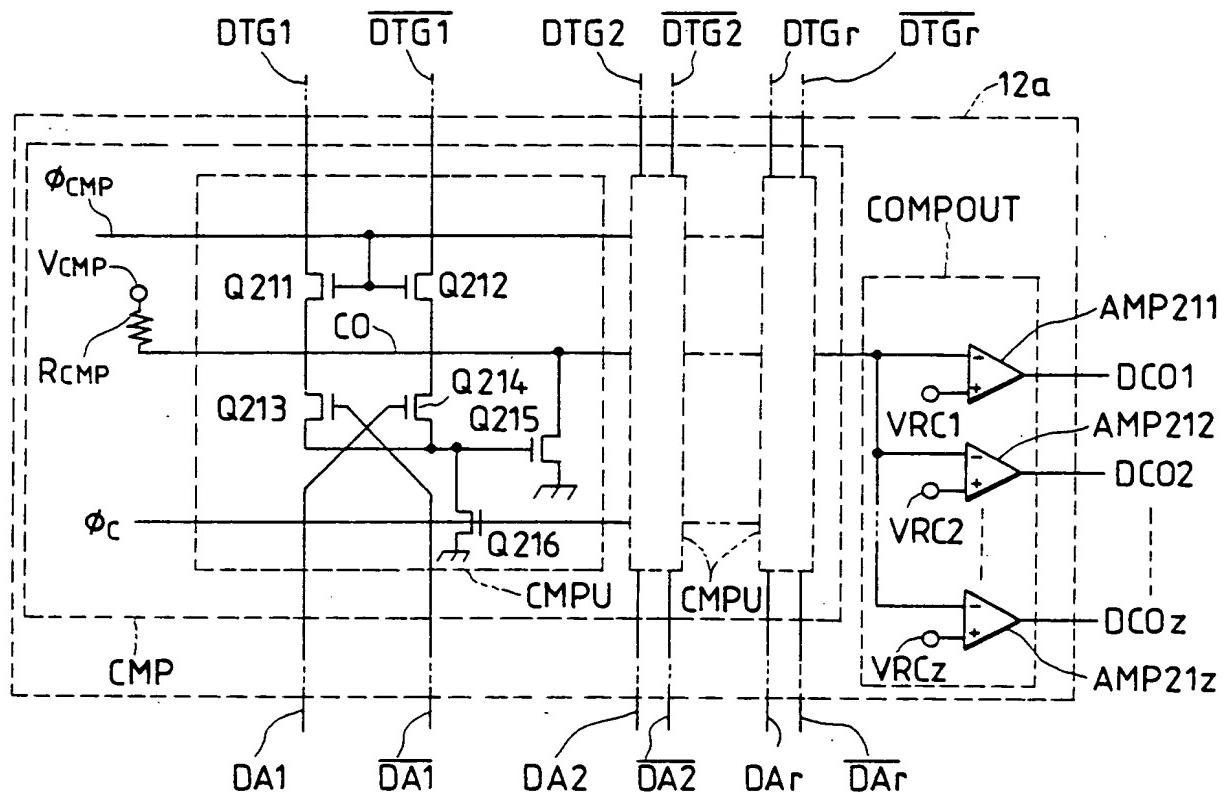


FIG. 23



000224 - 02202202 230

FIG. 24



REF ID: A1220700

FIG. 25

